

Converting Colors

$Y_{xy}(111.1206, 0.2845, 0.3150)$

Have a look what the booklet for
Yxy(111.1206, 0.2845, 0.3150)
contains.

| | |
|--|----|
| Yxy(96.5729, 0.3011, 0.3290) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(96.5729, 0.3011, 0.3290)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ECFFFF |
| RGB | 236, 255, 255 |
| RGB Percent | 93%, 100%, 100% |
| CMY | 0.0748, 0.0000, 0.0000 |
| CMYK | 0.07, 0.00, 0.00, 0.00 |
| HSL | 180°, 100%, 96% |
| HSV | 180°, 7%, 100% |
| XYZ | 88.3833, 96.5729, 108.5785 |
| YIQ | 249.3190, -11.3240, -4.0280 |

Conversions

Conversions Part 2

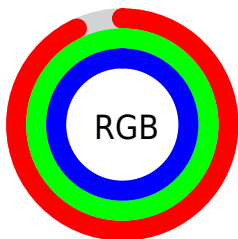
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 236, 246, 255 |
| Decimal | 15532031 |
| CIE Lab | 98.66, -6.19, -2.12 |
| CIE LCh | 99, 6.545, 198.942 |
| Yxy | 96.5729, 0.3011, 0.3290 |
| Android (android.graphics.Color) | 4293722111 (0xFFE0FFFF) |
| YUV | 249.3190, 2.8007, -11.6808 |
| Hunter-Lab | 98.2715, -11.4361, 3.2816 |

Details

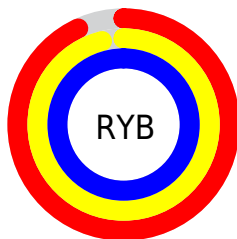
The Yxy color 96.5729, 0.3011, 0.3290 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.2651, 0.3256, 0.3290, and the grayscale version is 94.9716, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1687, 0.2988, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 92.5035, 0.2863, 0.3290, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

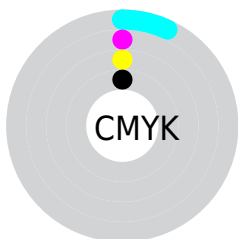
Distribution



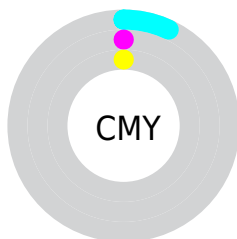
- Red (93%)
- Green (100%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.5729, 0.3011, 0.3290 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 96.5729, 0.3011, 0.3290 by changing the saturation by 10% instead.


 96.5729, 0.3011,
0.3290

 96.5729, 0.3011,
0.3290


549.1883, 0.3062,
0.3290

 73.4448, 0.3000,
0.3290


156.4358, 0.3028,
0.3290

 54.3397, 0.2987,
0.3290


193.9395, 0.3035,
0.3290

 38.8733, 0.2970,
0.3289


237.0037, 0.3041,
0.3290

 26.6612, 0.2949,
0.3289

286.0130, 0.3046,
0.3290

 17.3189, 0.2922,
0.3289

341.3517, 0.3051,
0.3290

 10.4622, 0.2885,
0.3288

403.4042, 0.3055,

 5.7064, 0.2832,

0.3290

472.5550, 0.3059,
0.3290

0.3286

■ 2.6674, 0.2748,
0.3283

■ 0.9607, 0.2593,
0.3277

■ 96.5729, 0.3011,
0.3290

■ 96.5729, 0.3011,
0.3290

■ 92.5035, 0.2863,
0.3290

100.0000, 0.3127,
0.3290

■ 89.0431, 0.2726,
0.3289

■ 86.1515, 0.2603,
0.3289

■ 83.7980, 0.2497,
0.3289

■ 81.9495, 0.2409,
0.3289

■ 80.5691, 0.2341,
0.3289

■ 79.6148, 0.2293,
0.3289

■ 79.0371, 0.2263,
0.3289

■ 78.7716, 0.2249,
0.3289

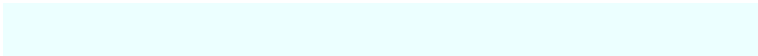
Harmonies

Analogous

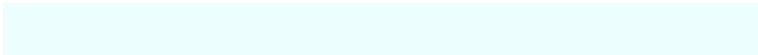
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5729, 0.3065, 0.3353



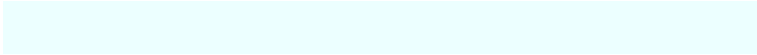
96.5729, 0.3011, 0.3290



96.5729, 0.2988, 0.3228

Triad

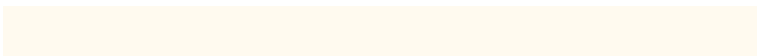
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.5729, 0.3011, 0.3290



96.5729, 0.3118, 0.3184



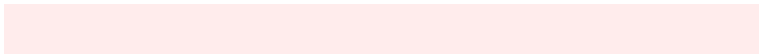
96.5729, 0.3253, 0.3397

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



96.5729, 0.3011, 0.3290



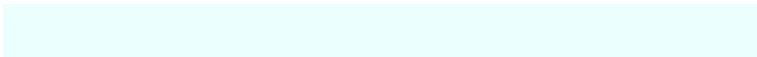
87.2651, 0.3256, 0.3290

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5729, 0.3268, 0.3350



96.5729, 0.3011, 0.3290



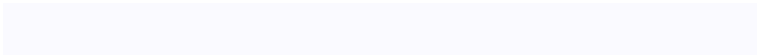
96.5729, 0.3189, 0.3228

Square

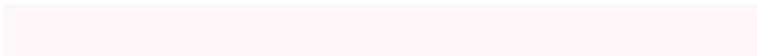
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.5729, 0.3011, 0.3290



96.5729, 0.3050, 0.3167



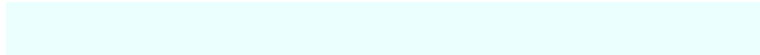
96.5729, 0.3245, 0.3289



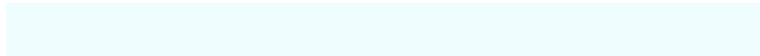
96.5729, 0.3204, 0.3415

Rectangle

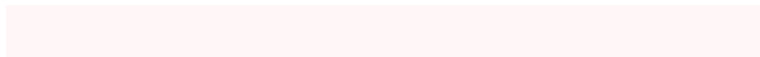
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



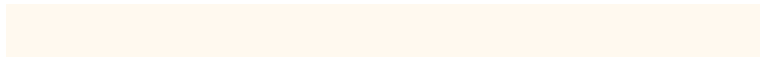
96.5729, 0.3011, 0.3290



96.5729, 0.2994, 0.3195



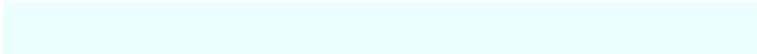
96.5729, 0.3245, 0.3289



96.5729, 0.3263, 0.3384

Sweetspot

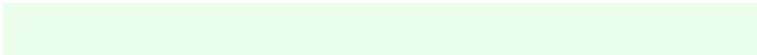
The Sweet Spot groups the original color and five complimentary colors.



96.5606, 0.3011, 0.3290



99.0453, 0.3096, 0.3290



95.4480, 0.3120, 0.3481



21.2098, 0.3097, 0.3290



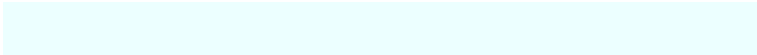
0.0000, 0.0000, 0.0000



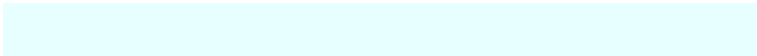
21.4041, 0.3127, 0.3290

Same Dimension

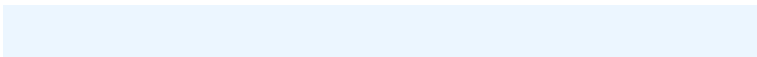
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.5606, 0.3011, 0.3290



95.9033, 0.2988, 0.3290



90.8217, 0.3011, 0.3198



20.4813, 0.2980, 0.3290



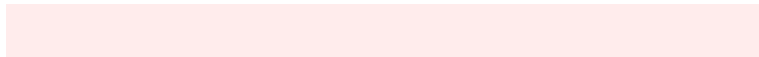
41.1382, 0.2247, 0.3289



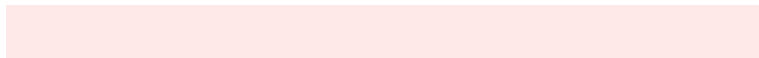
4.0055, 0.2247, 0.3289

Inverse Universe

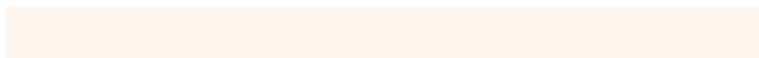
The Inverse Universe completely reimagines the original color for something new.



87.2651, 0.3256, 0.3290



84.8312, 0.3285, 0.3290



92.7070, 0.3247, 0.3380



17.9873, 0.3295, 0.3290



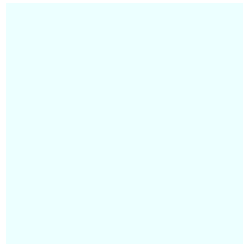
11.1091, 0.6400, 0.3299



1.0817, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 96.5729, 0.3011, 0.3290 looks on a white background.

Color Contrast Check

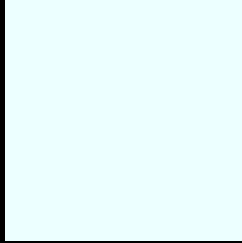
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 96.5729, 0.3011, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

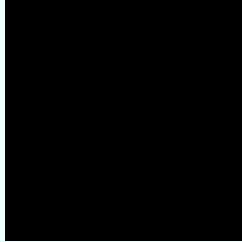
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.5729, 0.3011, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 96.5729, 0.3011, 0.3290.

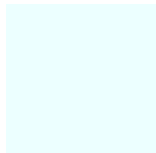


This preview shows how white text looks on a background with the Yxy color 96.5729, 0.3011, 0.3290.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.5729, 0.3011, 0.3290



Protanopia

96.6595, 0.3147, 0.3271

Deuteranopia

96.0396, 0.3148, 0.3261

Tritanopia

96.3541, 0.3091, 0.3251

Trichromacy



A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is a light cyan color, and the other three segments are a light blue color.

Original Color

96.5729, 0.3011, 0.3290

Protanomaly

96.6691, 0.3096, 0.3280

Deuteranomaly

96.0427, 0.3097, 0.3271

Tritanomaly

96.0739, 0.3060, 0.3261

Monochromacy



A vertical color bar on the left side of the Monochromacy section, divided into three horizontal segments. The top segment is a light cyan color, the middle segment is a light beige color, and the bottom segment is a light blue color.

Original Color

96.5729, 0.3011, 0.3290

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.1925, 0.3083, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.5729, 0.3011, 0.3290 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 96.5729, 0.3011, 0.3290 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 255, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 255, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 96.5729, 0.3011, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
255, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor