

Converting Colors

$Y_{xy}(100.4145, 0.2854, 0.3067)$

Have a look what the booklet for
Yxy(100.4145, 0.2854, 0.3067)
contains.

Yxy(96.0636, 0.2993, 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(96.0636, 0.2993, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFFF
RGB	233, 255, 255
RGB Percent	91%, 100%, 100%
CMY	0.0866, 0.0000, 0.0001
CMYK	0.09, 0.00, 0.00, 0.00
HSL	180°, 100%, 96%
HSV	180°, 9%, 100%
XYZ	87.3916, 96.0636, 108.5314
YIQ	248.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 244, 255
Decimal	15335423
CIE Lab	98.46, -7.15, -2.44
CIE LCh	98, 7.559, 198.865
Yxy	96.0636, 0.2993, 0.3290
Android (android.graphics.Color)	4293525503 (0xFFE9FFFF)
YUV	248.4220, 3.2430, -13.5251
Hunter-Lab	98.0120, -12.3631, 2.9550

Details

The Yxy color 96.0636, 0.2993, 0.3290 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.3696, 0.3278, 0.3290, and the grayscale version is 94.1900, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8125, 0.2966, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 92.0637, 0.2846, 0.3289, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.0636, 0.2993, 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 96.0636, 0.2993, 0.3290 by changing the saturation by 10% instead.

 96.0636, 0.2993,
0.3290

 96.0636, 0.2993,
0.3290


547.5644, 0.3052,
0.3290

 73.0205, 0.2980,
0.3290


155.7332, 0.3013,
0.3290

 53.9927, 0.2965,
0.3290


193.1285, 0.3021,
0.3290

 38.5959, 0.2946,
0.3289


236.0767, 0.3028,
0.3290

 26.4455, 0.2922,
0.3289

284.9621, 0.3034,
0.3290

 17.1572, 0.2890,
0.3288

340.1692, 0.3039,
0.3290

 10.3466, 0.2847,
0.3287

402.0824, 0.3044,

 5.6294, 0.2785,

0.3290

0.3285

471.0860, 0.3048,
0.3290

■ 2.6211, 0.2689,
0.3280

■ 0.9373, 0.2500,
0.3276

■ 96.0636, 0.2993,
0.3290

■ 96.0636, 0.2993,
0.3290

■ 92.0637, 0.2846,
0.3289

100.0000, 0.3127,
0.3290

■ 88.6721, 0.2711,
0.3289

■ 85.8458, 0.2590,
0.3289

■ 83.5539, 0.2486,
0.3289

■ 81.7629, 0.2400,
0.3289

■ 80.4352, 0.2335,
0.3289

■ 79.5283, 0.2288,
0.3289

■ 78.9915, 0.2261,
0.3289

■ 78.7526, 0.2248,
0.3289

Harmonies

Analogous

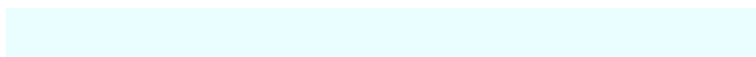
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0636, 0.3055, 0.3364



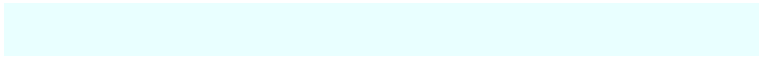
96.0636, 0.2993, 0.3290



96.0636, 0.2967, 0.3218

Triad

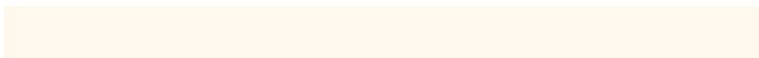
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.0636, 0.2993, 0.3290



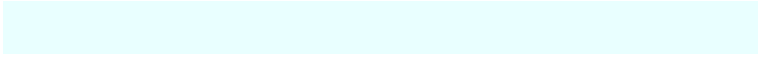
96.0636, 0.3116, 0.3168



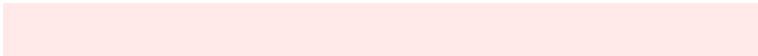
96.0636, 0.3273, 0.3413

Complementary

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



96.0636, 0.2993, 0.3290



85.3696, 0.3278, 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.



96.0636, 0.3290, 0.3359



96.0636, 0.2993, 0.3290



96.0636, 0.3199, 0.3218

Square

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



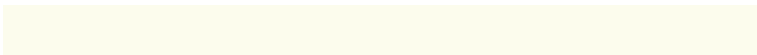
96.0636, 0.2993, 0.3290



96.0636, 0.3037, 0.3148



96.0636, 0.3263, 0.3288



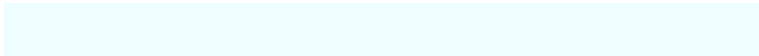
96.0636, 0.3217, 0.3435

Rectangle

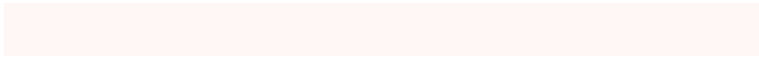
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.0636, 0.2993, 0.3290



96.0636, 0.2973, 0.3180



96.0636, 0.3263, 0.3288



96.0636, 0.3284, 0.3398

Sweetspot

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



96.0487, 0.2993, 0.3290



98.5776, 0.3080, 0.3290



94.7700, 0.3119, 0.3512



21.0204, 0.3068, 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.



96.0487, 0.2993, 0.3290



95.4794, 0.2973, 0.3290



89.4275, 0.2993, 0.3183



20.4813, 0.2980, 0.3290



41.1384, 0.2247, 0.3289



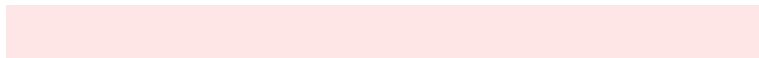
4.0056, 0.2247, 0.3289

Inverse Universe

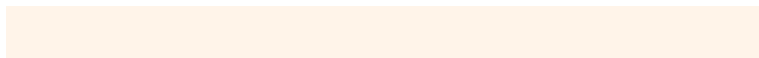
The Inverse Universe completely reimagines the original color for something new.



85.3696, 0.3278, 0.3290



83.2617, 0.3304, 0.3290



91.5934, 0.3268, 0.3395



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 96.0636, 0.2993, 0.3290 looks on a white background.

Color Contrast Check

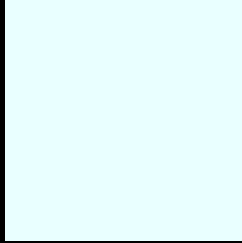
Large Text (above 18pt) WCAG AA × Fail

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 96.0636, 0.2993, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

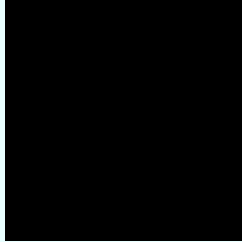
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.0636, 0.2993, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 96.0636, 0.2993, 0.3290.

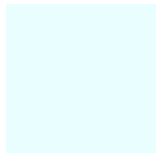


This preview shows how white text looks on a background with the Yxy color 96.0636, 0.2993, 0.3290.

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

96.0636, 0.2993, 0.3290



Protanopia

95.7872, 0.3147, 0.3271

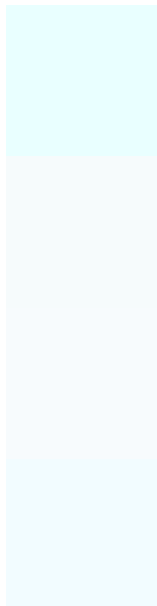
Deuteranopia

96.0396, 0.3148, 0.3261

Tritanopia

95.9885, 0.3079, 0.3251

Trichromacy



Original Color

96.0636, 0.2993, 0.3290

Protanomaly

95.6155, 0.3090, 0.3280

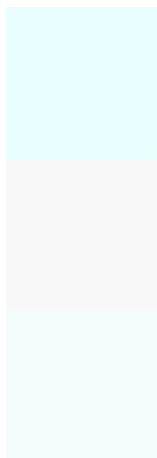
Deuteranomaly

95.8604, 0.3091, 0.3271

Tritanomaly

95.7181, 0.3048, 0.3261

Monochromacy



Original Color

96.0636, 0.2993, 0.3290

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

95.0141, 0.3077, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0636, 0.2993, 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(233, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 96.0636, 0.2993, 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(233, 255, 255) }
```

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

```
.border{ border-color:rgb(233, 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(233, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0636, 0.2993, 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(233, 255, 255) }
```

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

```
.background{ background-color: rgb(233,  
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