

Converting Colors

$Yxy(97.1727, 0.3013, 0.3239)$

Have a look what the booklet for
Yxy(97.1727, 0.3013, 0.3239)
contains.

Yxy(96.6289, 0.3036, 0.3280)	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(96.6289, 0.3036, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	F0FEFF
RGB	240, 254, 255
RGB Percent	94%, 100%, 100%
CMY	0.0586, 0.0040, 0.0001
CMYK	0.06, 0.00, 0.00, 0.00
HSL	184°, 100%, 97%
HSV	184°, 6%, 100%
XYZ	89.4407, 96.6289, 108.5308
YIQ	249.9280, -8.6650, -2.6570

Conversions

Conversions Part 2

Format	Color
R _{YB}	240, 247, 255
Decimal	15793919
CIE Lab	98.68, -4.35, -2.06
CIE LCh	99, 4.810, 205.322
Yxy	96.6289, 0.3036, 0.3280
Android (android.graphics.Color)	4293983999 (0xFFFF0FEFF)
YUV	249.9280, 2.5005, -8.7069
Hunter-Lab	98.3000, -9.6124, 3.3493

Details

The Yxy color 96.6289, 0.3036, 0.3280 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.4981, 0.3225, 0.3300, and the grayscale version is 95.5295, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2001, 0.3019, 0.3277 is the 20% darker color. If you saturate the color by 10%, you get 91.4037, 0.2885, 0.3262, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

Distribution



- Red (94%)
- Green (100%)
- Blue (100%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.6289, 0.3036, 0.3280 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 96.6289, 0.3036, 0.3280 by changing the saturation by 10% instead.

 96.6289, 0.3036,
0.3280

 96.6289, 0.3036,
0.3280


549.3667, 0.3076,
0.3285

 73.4915, 0.3027,
0.3279


156.5131, 0.3049,
0.3282

 54.3779, 0.3017,
0.3278


194.0286, 0.3055,
0.3282

 38.9039, 0.3004,
0.3276

237.1056, 0.3060,
0.3283

 26.6850, 0.2987,
0.3274

286.1285, 0.3064,
0.3283

 17.3368, 0.2966,
0.3271

341.4816, 0.3067,
0.3284

 10.4749, 0.2937,
0.3267

403.5495, 0.3070,

 5.7149, 0.2895,

0.3284

0.3262

472.7163, 0.3073,
0.3284

■ 2.6725, 0.2829,
0.3252

■ 0.9633, 0.2710,
0.3233

■ 96.6289, 0.3036,
0.3280

■ 96.6289, 0.3036,
0.3280

■ 91.4037, 0.2885,
0.3262

99.9990, 0.3127,
0.3290

■ 86.7850, 0.2743,
0.3242

■ 82.7491, 0.2612,
0.3221

■ 79.2661, 0.2497,
0.3199

■ 76.3030, 0.2398,
0.3177

■ 73.8237, 0.2319,
0.3154

■ 71.7872, 0.2259,
0.3131

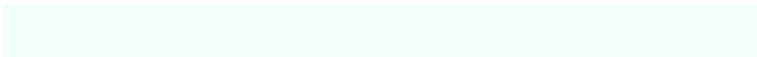
■ 70.1453, 0.2218,
0.3108

■ 68.8387, 0.2194,
0.3086

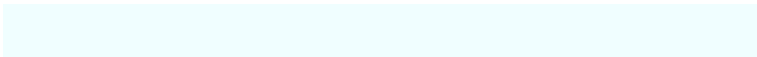
Harmonies

Analogous

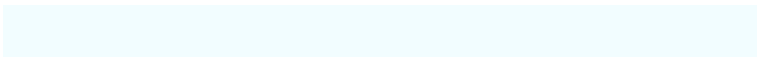
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6289, 0.3071, 0.3327



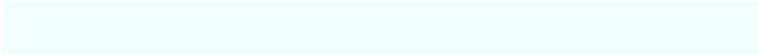
96.6289, 0.3036, 0.3280



96.6289, 0.3025, 0.3236

Triad

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



96.6289, 0.3036, 0.3280



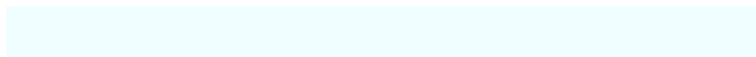
96.6289, 0.3132, 0.3217



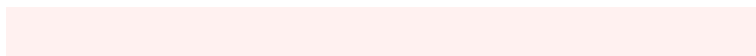
96.6289, 0.3214, 0.3374

Complementary

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



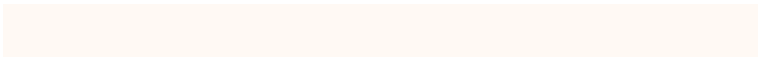
96.6289, 0.3036, 0.3280



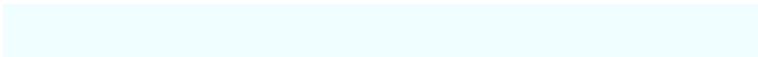
90.4981, 0.3225, 0.3300

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.



96.6289, 0.3231, 0.3343



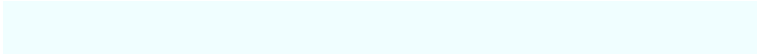
96.6289, 0.3036, 0.3280



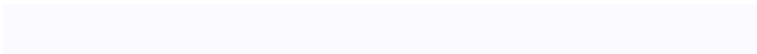
96.6289, 0.3183, 0.3253

Square

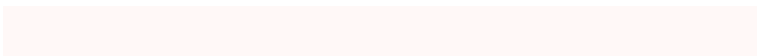
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.6289, 0.3036, 0.3280



96.6289, 0.3080, 0.3200



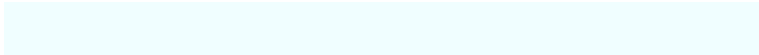
96.6289, 0.3219, 0.3299



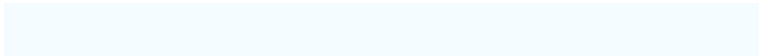
96.6289, 0.3174, 0.3382

Rectangle

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



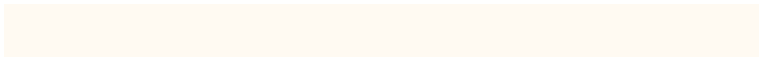
96.6289, 0.3036, 0.3280



96.6289, 0.3033, 0.3214



96.6289, 0.3219, 0.3299



96.6289, 0.3223, 0.3366

Sweetspot

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



96.6330, 0.3036, 0.3280



98.8288, 0.3096, 0.3287



96.4014, 0.3115, 0.3428



21.1657, 0.3097, 0.3287



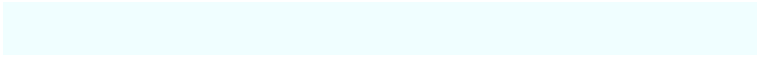
0.0000, 0.0000, 0.0000



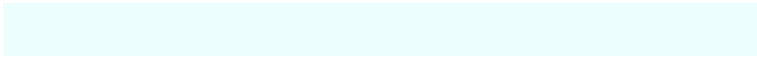
21.4041, 0.3127, 0.3290

Same Dimension

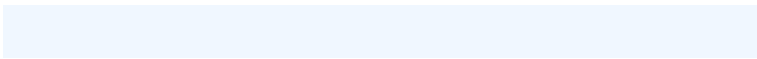
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6330, 0.3036, 0.3280



96.0134, 0.3018, 0.3278



91.9901, 0.3037, 0.3207



20.4804, 0.3009, 0.3277



35.8122, 0.2189, 0.3080



3.5469, 0.2196, 0.3106

Inverse Universe

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



90.7706, 0.3140, 0.3156



89.0589, 0.3143, 0.3130



95.0070, 0.3219, 0.3372



18.8707, 0.3144, 0.3116



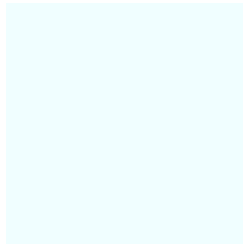
14.3432, 0.3384, 0.1638



1.4026, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 96.6289, 0.3036, 0.3280 looks on a white background.

Color Contrast Check

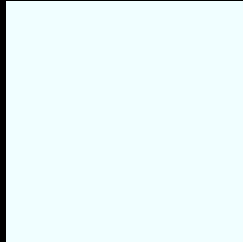
Large Text (above 18pt) WCAG AA × Fail

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 96.6289, 0.3036, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

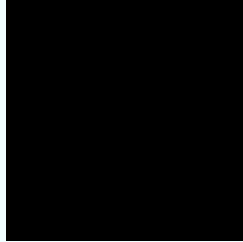
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.6289, 0.3036, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 96.6289, 0.3036, 0.3280.

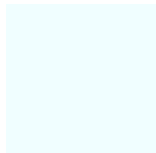


This preview shows how white text looks on a background with the Yxy color 96.6289, 0.3036, 0.3280.

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

96.6289, 0.3036, 0.3280



Protanopia

96.7231, 0.3141, 0.3261

Deuteranopia

96.6595, 0.3147, 0.3271

Tritanopia

96.5384, 0.3098, 0.3252

Trichromacy



Original Color

96.6289, 0.3036, 0.3280

Protanomaly

96.4741, 0.3103, 0.3261

Deuteranomaly

96.4102, 0.3109, 0.3271

Tritanomaly

96.4336, 0.3073, 0.3261

Monochromacy



Original Color

96.6289, 0.3036, 0.3280

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

95.6155, 0.3090, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.6289, 0.3036, 0.3280 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(240, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 254, 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(240, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 96.6289, 0.3036, 0.3280 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(240, 254, 255) }
```

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

```
.border{ border-color:rgb(240, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 96.6289, 0.3036, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 254, 255) }
```

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

```
.background{ background-color: rgb(240,  
254, 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