

Converting Colors

$Yxy(64.9552, 0.2304, 0.3292)$

Have a look what the booklet for
Yxy(64.9552, 0.2304, 0.3292)
contains.

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Color

Yxy(65.0309, 0.2302, 0.3288)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 39E9E9 |
| RGB | 57, 233, 233 |
| RGB Percent | 22%, 91%, 91% |
| CMY | 0.7766, 0.0862, 0.0864 |
| CMYK | 0.76, 0.00, 0.00, 0.09 |
| HSL | 180°, 80%, 57% |
| HSV | 180°, 76%, 91% |
| XYZ | 45.5295, 65.0309, 87.2221 |
| YIQ | 180.3760, -104.8960, -37.3120 |

Conversions

Conversions Part 2

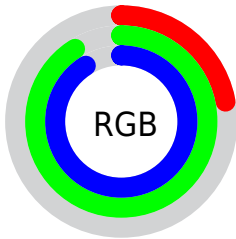
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 57, 145, 233 |
| Decimal | 3795433 |
| CIELab | 84.50, -41.97, -12.47 |
| CIElCh | 84, 43.781, 196.549 |
| Yxy | 65.0309, 0.2302, 0.3288 |
| Android (android.graphics.Color) | 4281985513 (0xFF39E9E9) |
| YUV | 180.3760, 25.9436, -108.2008 |
| Hunter-Lab | 80.6417, -40.3437, -7.6788 |

Details

The Yxy color **65.0309, 0.2302, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.5447, 0.5747, 0.3298**, and the grayscale version is **45.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **34.6186, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **64.4985, 0.2268, 0.3288**, and if you desaturate by 10%, it is **65.8820, 0.2355, 0.3288**.

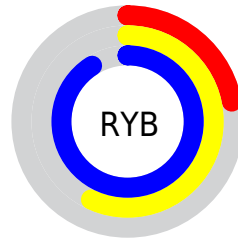
Distribution



Red (22%)

Green (91%)

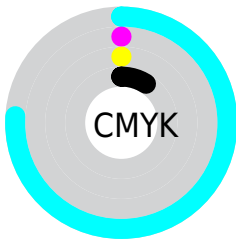
Blue (91%)



Red (22%)

Yellow (57%)

Blue (91%)

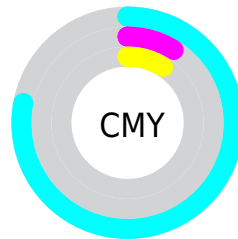


Cyan (76%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (78%)


Magenta (9%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0309, 0.2302, 0.3288 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 65.0309, 0.2302, 0.3288 by changing the saturation by 10% instead.


 65.0309, 0.2302,
0.3288

 65.0309, 0.2302,
0.3288


442.9030, 0.2680,
0.3301

 47.4861, 0.2217,
0.3282


 112.0943, 0.2432,
0.3295


 33.4201, 0.2113,
0.3273


 142.3817, 0.2483,
0.3297

 22.4485, 0.1984,
0.3259

 177.6854, 0.2527,
0.3298

 14.1868, 0.1817,
0.3237

 218.3899, 0.2566,
0.3299

 8.2507, 0.1599,
0.3198

264.8795, 0.2599,
0.3300

 4.2558, 0.1302,
0.3126

317.5386, 0.2629,

 1.8177, 0.0826,

0.3300

0.2996

376.7517, 0.2656,
0.3300

■ 0.4981, 0.0000,
0.2508

■ 0.0000, 0.0000,
0.0000

■ 65.0309, 0.2302,
0.3288

■ 65.0309, 0.2302,
0.3288

■ 64.4985, 0.2268,
0.3288

■ 65.8820, 0.2355,
0.3288


■ 64.2305, 0.2251,
0.3288

■ 67.0826, 0.2427,
0.3288


■ 64.1635, 0.2247,
0.3288

■ 68.6678, 0.2518,
0.3288


■ 70.6665, 0.2628,
0.3289

 73.1048, 0.2753,
0.3289

 76.0068, 0.2892,
0.3289

 79.3948, 0.3041,
0.3290

 83.2895, 0.3198,
0.3290

 85.4265, 0.3277,
0.3290

Harmonies

Analogous

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



65.0309, 0.2675, 0.3839



65.0309, 0.2302, 0.3288



65.0309, 0.2145, 0.2801

Triad

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



65.0309, 0.2302, 0.3288



65.0309, 0.2986, 0.2541



65.0309, 0.4099, 0.4022

Complementary

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



65.0309, 0.2302, 0.3288



20.5447, 0.5747, 0.3298

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.



65.0309, 0.4220, 0.3629



65.0309, 0.2302, 0.3288



65.0309, 0.3546, 0.2816

Square

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



65.0309, 0.2302, 0.3288



65.0309, 0.2511, 0.2426



65.0309, 0.4014, 0.3200



65.0309, 0.3714, 0.4265

Rectangle

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



65.0309, 0.2302, 0.3288



65.0309, 0.2168, 0.2580



65.0309, 0.4014, 0.3200



65.0309, 0.4173, 0.3901

Sweetspot

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



65.0333, 0.2302, 0.3288



90.5220, 0.2786, 0.3289



59.5356, 0.3024, 0.5672



19.1184, 0.2737, 0.3289



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.



65.0333, 0.2302, 0.3288



78.9186, 0.2256, 0.3288



27.9099, 0.1984, 0.2053



17.1219, 0.2981, 0.3290



36.4049, 0.2247, 0.3288



2.8587, 0.2247, 0.3288

Inverse Universe

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



20.5447, 0.5747, 0.3298



21.9327, 0.6273, 0.3299



36.9840, 0.4908, 0.4123



15.0541, 0.3293, 0.3290



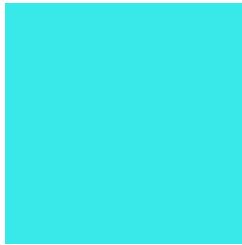
9.8299, 0.6401, 0.3300



0.7719, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 65.0309, 0.2302, 0.3288 looks on a white background.

Color Contrast Check

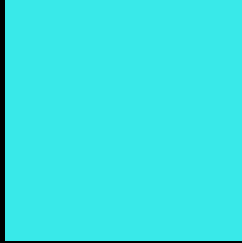
Large Text (above 18pt) WCAG AA × Fail

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 65.0309, 0.2302, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

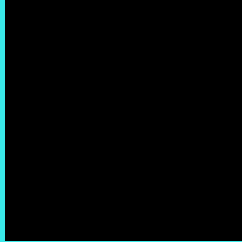
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0309, 0.2302, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 65.0309, 0.2302, 0.3288.

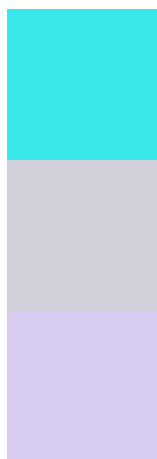


This preview shows how white text looks on a background with the Yxy color 65.0309, 0.2302, 0.3288.

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

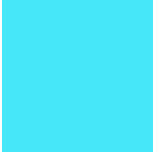
65.0309, 0.2302, 0.3288

Protanopia

63.8753, 0.3073, 0.3177

Deuteranopia

63.8648, 0.2969, 0.2908



Tritanopia

65.2566, 0.2259, 0.3063

Trichromacy



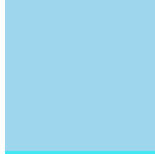
Original Color

65.0309, 0.2302, 0.3288



Protanomaly

61.8234, 0.2676, 0.3215



Deuteranomaly

61.9844, 0.2620, 0.3025



Tritanomaly

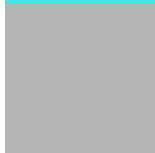
65.3081, 0.2276, 0.3148

Monochromacy



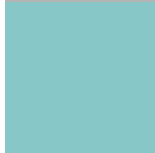
Original Color

65.0309, 0.2302, 0.3288



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.1213, 0.2672, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0309, 0.2302, 0.3288 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(57, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(57, 233, 233)  
}
```

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(57, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 233, 233) }
```

Border

The CSS property to change the border of an element to Yxy 65.0309, 0.2302, 0.3288 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(57, 233, 233) }
```

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

```
.border{ border-color:rgb(57, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(57, 233,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0309, 0.2302, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 233, 233) }
```

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

```
.background{ background-color: rgb(57, 233,  
233) }
```

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](#).

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