

Converting Colors

$Y_{xy}(64.7818, 0.2438, 0.3752)$

Have a look what the booklet for
Yxy(64.7818, 0.2438, 0.3752)
contains.

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Color

Yxy(64.5036, 0.2439, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	39EBC9
RGB	57, 235, 201
RGB Percent	22%, 92%, 79%
CMY	0.7769, 0.0784, 0.2119
CMYK	0.76, 0.00, 0.14, 0.08
HSL	169°, 82%, 57%
HSV	169°, 76%, 92%
XYZ	41.9308, 64.5036, 65.4835
YIQ	177.9020, -95.1740, -48.3100

Conversions

Conversions Part 2

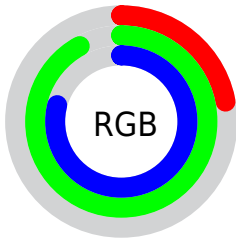
Format	Color
RYB	57, 155, 235
Decimal	3795913
CIELab	84.23, -51.39, 3.99
CIElCh	84, 51.540, 175.563
Yxy	64.5036, 0.2439, 0.3752
Android (android.graphics.Color)	4281985993 (0xFF39EBC9)
YUV	177.9020, 11.3873, -106.0311
Hunter-Lab	80.3141, -47.3576, 7.8782

Details

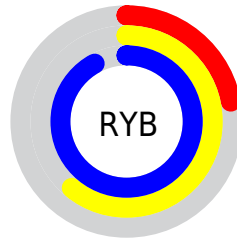
The Yxy color **64.5036, 0.2439, 0.3752** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **21.3333, 0.5300, 0.3007**, and the grayscale version is **44.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **33.9474, 0.2403, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **63.7610, 0.2420, 0.3822**, and if you desaturate by 10%, it is **65.5764, 0.2478, 0.3682**.

Distribution



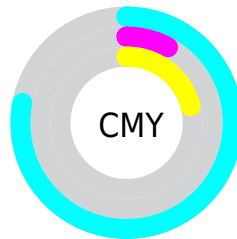
- Red (22%)
- Green (92%)
- Blue (79%)



- Red (22%)
- Yellow (61%)
- Blue (92%)



- Cyan (76%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)




- Cyan (78%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5036, 0.2439, 0.3752 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 64.5036, 0.2439, 0.3752 by changing the saturation by 10% instead.


 64.5036, 0.2439,
0.3752

 64.5036, 0.2439,
0.3752


441.0060, 0.2764,
0.3531

 47.0587, 0.2364,
0.3804


 111.3359, 0.2553,
0.3674


 33.0820, 0.2270,
0.3870


 141.4920, 0.2597,
0.3644

 22.1893, 0.2151,
0.3955


 176.6541, 0.2634,
0.3618

 13.9961, 0.1995,
0.4067

 217.2063, 0.2667,
0.3596

 8.1179, 0.1781,
0.4225

263.5333, 0.2696,
0.3576

 4.1705, 0.1476,
0.4459

316.0193, 0.2721,

 1.7694, 0.0687,

0.3559

0.5013

375.0487, 0.2743,
0.3544

0.4680, 0.0000,
0.6697

0.0000, 0.0000,
0.0000

64.5036, 0.2439,
0.3752

64.5036, 0.2439,
0.3752

63.7610, 0.2420,
0.3822

65.5764, 0.2478,
0.3682


63.2930, 0.2419,
0.3891


67.0111, 0.2536,
0.3613

63.1460, 0.2422,
0.3920


68.8436, 0.2613,
0.3547

71.1038, 0.2706,
0.3483

 73.8183, 0.2812,
0.3424

 77.0119, 0.2929,
0.3368

 80.7074, 0.3053,
0.3317

 84.9260, 0.3182,
0.3271

 87.0579, 0.3222,
0.3228

Harmonies

Analogous

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



64.5036, 0.3000, 0.4306



64.5036, 0.2439, 0.3752



64.5036, 0.2084, 0.3085

Triad

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



64.5036, 0.2439, 0.3752



64.5036, 0.2552, 0.2309



64.5036, 0.4408, 0.3813

Complementary

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



64.5036, 0.2439, 0.3752



21.3333, 0.5300, 0.3007

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.



64.5036, 0.4288, 0.3320



64.5036, 0.2439, 0.3752



64.5036, 0.3151, 0.2502

Square

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



64.5036, 0.2439, 0.3752



64.5036, 0.2149, 0.2324



64.5036, 0.3807, 0.2859



64.5036, 0.4149, 0.4247

Rectangle

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



64.5036, 0.2439, 0.3752



64.5036, 0.1991, 0.2721



64.5036, 0.3807, 0.2859



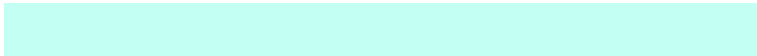
64.5036, 0.4413, 0.3650

Sweetspot

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



64.5061, 0.2439, 0.3752



89.8219, 0.2843, 0.3408



62.0196, 0.3148, 0.5591



18.9459, 0.2802, 0.3429



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.



64.5061, 0.2439, 0.3752



76.3878, 0.2417, 0.3861



40.1472, 0.2108, 0.2540



17.0697, 0.3007, 0.3335



35.1576, 0.2419, 0.3909



2.7734, 0.2393, 0.3813

Inverse Universe

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



21.3333, 0.5300, 0.3007



22.2795, 0.5891, 0.3083



29.1805, 0.5265, 0.3783



15.1011, 0.3263, 0.3245



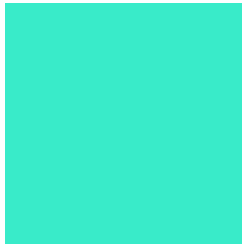
9.9488, 0.6095, 0.3131



0.7943, 0.5726, 0.2928

Previews

White Background



This preview shows how the Yxy color 64.5036, 0.2439, 0.3752 looks on a white background.

Color Contrast Check

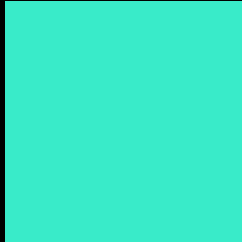
Large Text (above 18pt) WCAG AA × Fail

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 64.5036, 0.2439, 0.3752 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 64.5036, 0.2439, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 64.5036, 0.2439, 0.3752.



This preview shows how white text looks on a background with the Yxy color 64.5036, 0.2439, 0.3752.

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

64.5036, 0.2439, 0.3752

Protanopia

63.4086, 0.3354, 0.3543

Deuteranopia

63.2891, 0.3286, 0.3224



Tritanopia

64.6388, 0.2297, 0.3063

Trichromacy



Original Color

64.5036, 0.2439, 0.3752



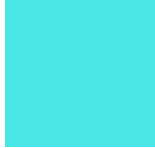
Protanomaly

61.2753, 0.2893, 0.3634



Deuteranomaly

60.6079, 0.2851, 0.3402



Tritanomaly

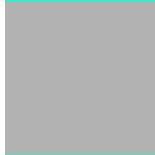
64.3208, 0.2344, 0.3301

Monochromacy



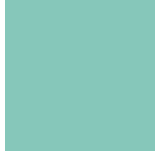
Original Color

64.5036, 0.2439, 0.3752



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.4604, 0.2745, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5036, 0.2439, 0.3752 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, 235, 201)` looks like.

```
.text, #text, p{  
    color:rgb(57, 235, 201)  
}
```

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, 235, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 235, 201) }
```

Border

The CSS property to change the border of an element to Yxy 64.5036, 0.2439, 0.3752 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, 235, 201) }
```

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

```
.border{ border-color:rgb(57, 235, 201) }
```

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

Here you see how a box with a 4 pixel rgb(57, 235, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 235, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 235, 201);  
box-shadow:4px 4px 4px 4px rgb(57, 235,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5036, 0.2439, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 235, 201) }
```

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

```
.background{ background-color: rgb(57, 235,  
201) }
```

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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