

Converting Colors

$Y_{xy}(63.9052, 0.2031, 0.3159)$

Have a look what the booklet for
Yxy(63.9052, 0.2031, 0.3159)
contains.

Yxy(66.6447, 0.2211, 0.3160)	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(66.6447, 0.2211, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	00ECF6
RGB	0, 236, 246
RGB Percent	0%, 93%, 96%
CMY	1.0000, 0.0745, 0.0351
CMYK	1.00, 0.04, 0.00, 0.04
HSL	182°, 100%, 48%
HSV	182°, 100%, 96%
XYZ	46.6302, 66.6447, 97.6260
YIQ	166.5760, -143.8660, -46.9220

Conversions

Conversions Part 2

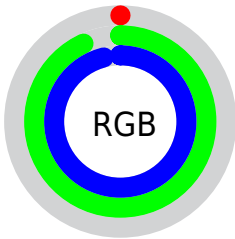
Format	Color
RYB	0, 120, 246
Decimal	60662
CIELab	85.32, -42.39, -18.16
CIELCh	85, 46.119, 203.187
Yxy	66.6447, 0.2211, 0.3160
Android (android.graphics.Color)	4278250742 (0xFF00ECF6)
YUV	166.5760, 39.1560, -146.0872
Hunter-Lab	81.6362, -40.9050, -13.7576

Details

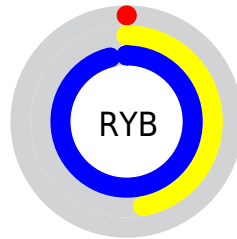
The Yxy color **66.6447, 0.2211, 0.3160** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8180, 0.6380, 0.3316**, and the grayscale version is **38.2889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **35.9579, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **66.6499, 0.2211, 0.3160**, and if you desaturate by 10%, it is **67.4311, 0.2227, 0.3173**.

Distribution



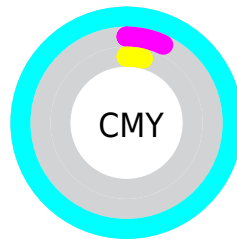
- Red (0%)
- Green (93%)
- Blue (96%)



- Red (0%)
- Yellow (47%)
- Blue (96%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6447, 0.2211, 0.3160 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 66.6447, 0.2211, 0.3160 by changing the saturation by 10% instead.

 66.6447, 0.2211,
0.3160


 66.6447, 0.2211,
0.3160


448.6790, 0.2626,
0.3236

 48.7959, 0.2120,
0.3139

 114.4112, 0.2352,
0.3190


 34.4576, 0.2008,
0.3111


 145.0976, 0.2408,
0.3200


 23.2454, 0.1871,
0.3072


 180.8322, 0.2456,
0.3209

 14.7748, 0.1697,
0.3017

 221.9991, 0.2499,
0.3216

 8.6615, 0.1473,
0.2934

 268.9829, 0.2536,
0.3222

 4.5211, 0.1177,
0.2800

322.1678, 0.2569,

 1.9691, 0.0754,

0.3228

0.2570

381.9384, 0.2599,
0.3232

■ 0.5894, 0.0000,
0.2072

■ 0.0000, 0.0000,
0.0000

■ 66.6447, 0.2211,
0.3160

■ 66.6447, 0.2211,
0.3160

■ 66.6499, 0.2211,
0.3160

■ 67.4311, 0.2227,
0.3173

■ 68.4704, 0.2257,
0.3187

■ 69.8467, 0.2306,
0.3201

■ 71.6075, 0.2374,
0.3215

■ 73.7926, 0.2462,
0.3229

■ 76.4370, 0.2568,
0.3242

■ 79.5717, 0.2690,
0.3255

■ 83.2253, 0.2826,
0.3268

■ 87.4241, 0.2973,
0.3279

Harmonies

Analogous

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



66.6447, 0.2552, 0.3743



66.6447, 0.2211, 0.3160



66.6447, 0.2102, 0.2691

Triad

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



66.6447, 0.2211, 0.3160



66.6447, 0.3106, 0.2561



66.6447, 0.4070, 0.4125

Complementary

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



66.6447, 0.2211, 0.3160



19.8180, 0.6380, 0.3316

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.



66.6447, 0.4269, 0.3736



66.6447, 0.2211, 0.3160



66.6447, 0.3688, 0.2877

Square

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



66.6447, 0.2211, 0.3160



66.6447, 0.2580, 0.2402



66.6447, 0.4130, 0.3291



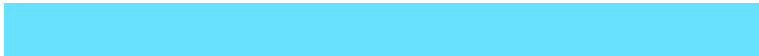
66.6447, 0.3623, 0.4330

Rectangle

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



66.6447, 0.2211, 0.3160



66.6447, 0.2162, 0.2496



66.6447, 0.4130, 0.3291



66.6447, 0.4170, 0.4009

Sweetspot

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



66.6499, 0.2211, 0.3160



86.2895, 0.2690, 0.3255



65.9541, 0.2996, 0.5985



18.1480, 0.2636, 0.3250



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.



66.6499, 0.2211, 0.3160



72.2823, 0.2211, 0.3160



18.8765, 0.1733, 0.1438



18.6351, 0.2981, 0.3280



35.6145, 0.2212, 0.3162



3.1655, 0.2216, 0.3179

Inverse Universe

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



25.6565, 0.3316, 0.1600



27.8281, 0.3316, 0.1600



35.8923, 0.5334, 0.4147



16.7559, 0.3144, 0.3066



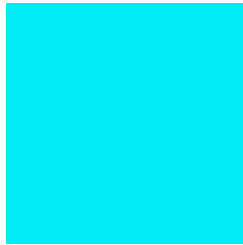
13.6947, 0.3314, 0.1599



1.2072, 0.3300, 0.1591

Previews

White Background



This preview shows how the Yxy color 66.6447, 0.2211, 0.3160 looks on a white background.

Color Contrast Check

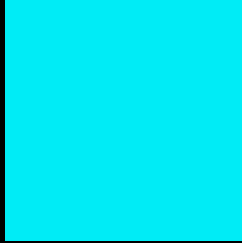
Large Text (above 18pt) WCAG AA × Fail

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 66.6447, 0.2211, 0.3160 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 66.6447, 0.2211, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 66.6447, 0.2211, 0.3160.



This preview shows how white text looks on a background with the Yxy color 66.6447, 0.2211, 0.3160.

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

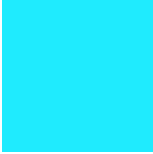
66.6447, 0.2211, 0.3160

Protanopia

65.4520, 0.2999, 0.3078

Deuteranopia

65.7145, 0.2860, 0.2797



Tritanopia

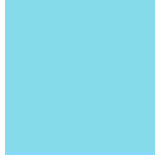
66.8637, 0.2198, 0.3051

Trichromacy



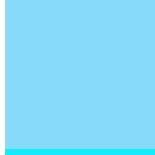
Original Color

66.6447, 0.2211, 0.3160



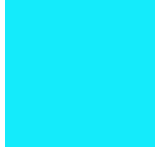
Protanomaly

61.7295, 0.2511, 0.3090



Deuteranomaly

62.1958, 0.2442, 0.2904



Tritanomaly

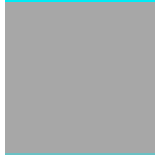
66.5304, 0.2199, 0.3087

Monochromacy



Original Color

66.6447, 0.2211, 0.3160



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.7490, 0.2509, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6447, 0.2211, 0.3160 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(0, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 246)  
}
```

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(0, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 246) }
```

Border

The CSS property to change the border of an element to Yxy 66.6447, 0.2211, 0.3160 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(0, 236, 246) }
```

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

```
.border{ border-color:rgb(0, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6447, 0.2211, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 246) }
```

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

```
.background{ background-color: rgb(0, 236,  
246) }
```

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