

Converting Colors

$Y_{xy}(63.7157, 0.2200, 0.3106)$

Have a look what the booklet for
Yxy(63.7157, 0.2200, 0.3106)
contains.

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Color

Yxy(63.8089, 0.2201, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	0BE7F5
RGB	11, 231, 245
RGB Percent	4%, 91%, 96%
CMY	0.9576, 0.0941, 0.0393
CMYK	0.96, 0.06, 0.00, 0.04
HSL	184°, 92%, 50%
HSV	184°, 96%, 96%
XYZ	45.1877, 63.8089, 96.3087
YIQ	166.8160, -135.6140, -42.2860

Conversions

Conversions Part 2

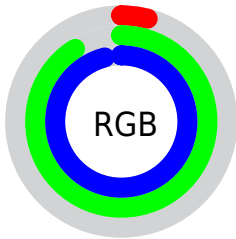
Format	Color
R _Y B	11, 124, 245
Decimal	780277
CIE Lab	83.87, -40.22, -19.80
CIE LCh	84, 44.829, 206.213
Yxy	63.8089, 0.2201, 0.3108
Android (android.graphics.Color)	4278970357 (0xFF0BE7F5)
YUV	166.8160, 38.5447, -136.6506
Hunter-Lab	79.8805, -38.8149, -15.5673

Details

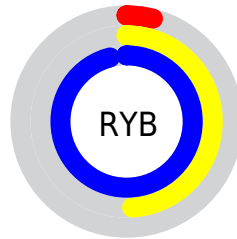
The Yxy color **63.8089, 0.2201, 0.3108** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.1206, 0.6304, 0.3333**, and the grayscale version is **38.3772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **34.3341, 0.2182, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **63.3804, 0.2194, 0.3099**, and if you desaturate by 10%, it is **64.9269, 0.2224, 0.3128**.

Distribution



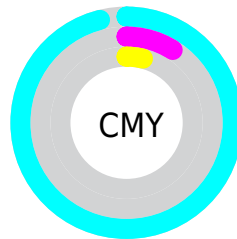
- Red (4%)
- Green (91%)
- Blue (96%)



- Red (4%)
- Yellow (49%)
- Blue (96%)



- Cyan (96%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)





- Cyan (96%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8089, 0.2201, 0.3108 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 63.8089, 0.2201, 0.3108 by changing the saturation by 10% instead.


 63.8089, 0.2201,
0.3108


 63.8089, 0.2201,
0.3108

438.4992, 0.2623,
0.3210


 46.4959, 0.2107,
0.3081

 110.3357, 0.2345,
0.3147

 32.6373, 0.1994,
0.3045


 140.3183, 0.2402,
0.3161


 21.8488, 0.1853,
0.2997


 175.2928, 0.2451,
0.3172

 13.7458, 0.1674,
0.2928

 215.6438, 0.2494,
0.3182

 7.9441, 0.1443,
0.2826

 261.7555, 0.2532,
0.3190

 4.0592, 0.1138,
0.2664

314.0124, 0.2565,

 1.7067, 0.0671,

0.3198

0.2398

372.7988, 0.2596,
0.3204

■ 0.4280, 0.0000,
0.1661

■ 0.0000, 0.0000,
0.0000

■ 63.8089, 0.2201,
0.3108

■ 63.8089, 0.2201,
0.3108

■ 63.3804, 0.2194,
0.3099

■ 64.9269, 0.2224,
0.3128

■ 66.3485, 0.2265,
0.3148

■ 68.1293, 0.2325,
0.3169

■ 70.3127, 0.2404,
0.3189

■ 72.9355, 0.2502,
0.3209

■ 76.0306, 0.2618,
0.3229

■ 79.6275, 0.2748,
0.3248

■ 83.7535, 0.2890,
0.3265

■ 88.4338, 0.3040,
0.3281

Harmonies

Analogous

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



63.8089, 0.2517, 0.3680



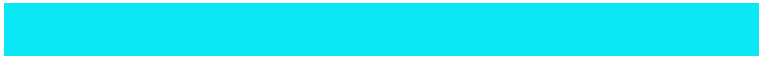
63.8089, 0.2201, 0.3108



63.8089, 0.2117, 0.2664

Triad

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



63.8089, 0.2201, 0.3108



63.8089, 0.3165, 0.2596



63.8089, 0.4023, 0.4146

Complementary

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



63.8089, 0.2201, 0.3108



20.1206, 0.6304, 0.3333

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.



63.8089, 0.4248, 0.3775



63.8089, 0.2201, 0.3108



63.8089, 0.3734, 0.2920

Square

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



63.8089, 0.2201, 0.3108



63.8089, 0.2633, 0.2420



63.8089, 0.4146, 0.3336



63.8089, 0.3564, 0.4319

Rectangle

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



63.8089, 0.2201, 0.3108



63.8089, 0.2191, 0.2486



63.8089, 0.4146, 0.3336



63.8089, 0.4130, 0.4037

Sweetspot

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



63.8112, 0.2201, 0.3108



85.7833, 0.2701, 0.3241



65.4264, 0.2993, 0.5946



18.0039, 0.2646, 0.3233



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.



63.8112, 0.2201, 0.3108



69.4022, 0.2194, 0.3099



19.1966, 0.1747, 0.1466



18.5782, 0.2981, 0.3275



34.2227, 0.2195, 0.3103



3.0584, 0.2202, 0.3128

Inverse Universe

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



25.4144, 0.3359, 0.1636



27.5373, 0.3368, 0.1629



38.0757, 0.5209, 0.4217



16.7502, 0.3147, 0.3071



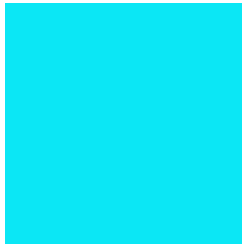
13.5542, 0.3365, 0.1627



1.1964, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 63.8089, 0.2201, 0.3108 looks on a white background.

Color Contrast Check

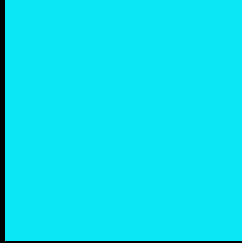
Large Text (above 18pt) WCAG AA × Fail

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 63.8089, 0.2201, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

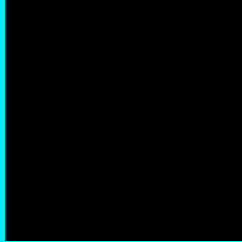
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8089, 0.2201, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 63.8089, 0.2201, 0.3108.

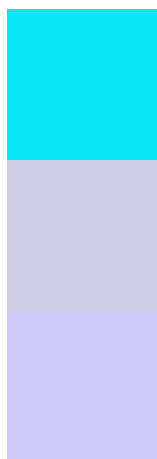


This preview shows how white text looks on a background with the Yxy color 63.8089, 0.2201, 0.3108.

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

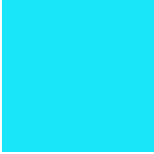
63.8155, 0.2201, 0.3108

Protanopia

62.7789, 0.2963, 0.3030

Deuteranopia

62.7987, 0.2829, 0.2766



Tritanopia

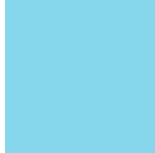
63.6399, 0.2192, 0.3046

Trichromacy



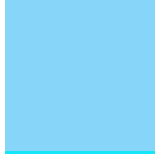
Original Color

63.8155, 0.2201, 0.3108



Protanomaly

59.6674, 0.2502, 0.3039



Deuteranomaly

59.5789, 0.2436, 0.2852



Tritanomaly

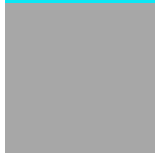
63.5197, 0.2192, 0.3058

Monochromacy



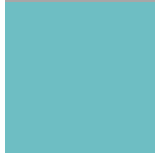
Original Color

63.8155, 0.2201, 0.3108



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.0820, 0.2531, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8089, 0.2201, 0.3108 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(11, 231, 245)` looks like.

```
.text, #text, p{  
    color:rgb(11, 231, 245)  
}
```

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(11, 231, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 231, 245) }
```

Border

The CSS property to change the border of an element to Yxy 63.8089, 0.2201, 0.3108 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(11, 231, 245) }
```

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

```
.border{ border-color:rgb(11, 231, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 231, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 231, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 231, 245);  
box-shadow:4px 4px 4px 4px rgb(11, 231,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8089, 0.2201, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 231, 245) }
```

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

```
.background{ background-color: rgb(11, 231,  
245) }
```

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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