

Converting Colors

$Y_{xy}(76.5407, 0.1902, 0.2025)$

Have a look what the booklet for
Yxy(76.5407, 0.1902, 0.2025)
contains.

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Color

Yxy(66.8188, 0.2188, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	17EBFF
RGB	23, 235, 255
RGB Percent	9%, 92%, 100%
CMY	0.9097, 0.0784, 0.0001
CMYK	0.91, 0.08, 0.00, 0.00
HSL	185°, 100%, 55%
HSV	185°, 91%, 100%
XYZ	48.1078, 66.8188, 104.9444
YIQ	173.8920, -132.7720, -38.7240

Conversions

Conversions Part 2

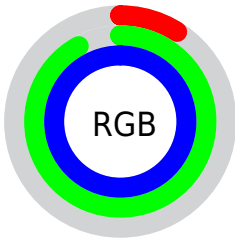
Format	Color
R _Y B	23, 134, 255
Decimal	1567743
CIE Lab	85.41, -38.65, -22.71
CIE LCh	85, 44.830, 210.436
Yxy	66.8188, 0.2188, 0.3039
Android (android.graphics.Color)	4279757823 (0xFF17EBFF)
YUV	173.8920, 39.9862, -132.3323
Hunter-Lab	81.7428, -37.9979, -18.8988

Details

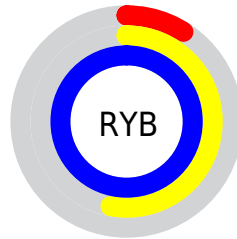
The Yxy color **66.8188, 0.2188, 0.3039** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0446, 0.6183, 0.3373**, and the grayscale version is **42.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.5093, 0.2170, 0.3013**, and if you desaturate by 10%, it is **68.5447, 0.2222, 0.3069**.

Distribution



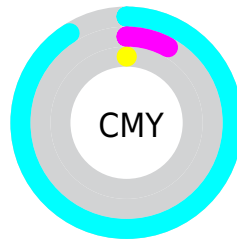
- Red (9%)
- Green (92%)
- Blue (100%)



- Red (9%)
- Yellow (53%)
- Blue (100%)



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8188, 0.2188, 0.3039 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 66.8188, 0.2188, 0.3039 by changing the saturation by 10% instead.


 66.8188, 0.2188,
0.3039

 66.8188, 0.2188,
0.3039


449.2995, 0.2611,
0.3172


 48.9374, 0.2095,
0.3005


 114.6607, 0.2332,
0.3088

 34.5698, 0.1983,
0.2961


 145.3900, 0.2389,
0.3107

 23.3317, 0.1845,
0.2903


 181.1708, 0.2438,
0.3122

 14.8386, 0.1671,
0.2823

 222.3873, 0.2481,
0.3135

 8.7062, 0.1448,
0.2708

269.4241, 0.2519,
0.3146

 4.5500, 0.1157,
0.2531

322.6654, 0.2553,

 1.9858, 0.0767,

0.3156

0.2245

382.4958, 0.2583,
0.3165

■ 0.5992, 0.0000,
0.1719

■ 0.0000, 0.0000,
0.0000

■ 66.8188, 0.2188,
0.3039

■ 66.8188, 0.2188,
0.3039

■ 65.5093, 0.2170,
0.3013

■ 68.5447, 0.2222,
0.3069

■ 70.6406, 0.2275,
0.3099

■ 73.1619, 0.2347,
0.3129

■ 76.1528, 0.2438,
0.3158

■ 79.6518, 0.2548,
0.3187

■ 83.6935, 0.2672,
0.3215

■ 88.3093, 0.2810,
0.3241

■ 93.5279, 0.2958,
0.3265

■ 99.3764, 0.3112,
0.3288

Harmonies

Analogous

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



66.8188, 0.2469, 0.3594



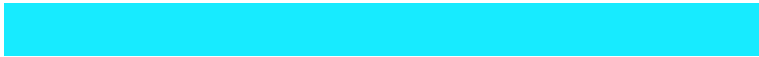
66.8188, 0.2188, 0.3039



66.8188, 0.2138, 0.2628

Triad

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



66.8188, 0.2188, 0.3039



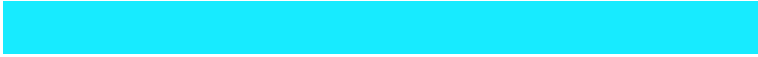
66.8188, 0.3245, 0.2642



66.8188, 0.3958, 0.4174

Complementary

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



66.8188, 0.2188, 0.3039



23.0446, 0.6183, 0.3373

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.



66.8188, 0.4218, 0.3827



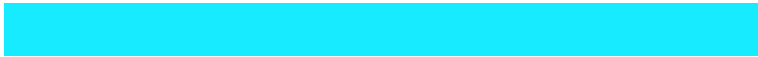
66.8188, 0.2188, 0.3039



66.8188, 0.3795, 0.2979

Square

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



66.8188, 0.2188, 0.3039



66.8188, 0.2706, 0.2446



66.8188, 0.4165, 0.3398



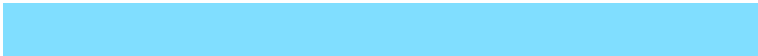
66.8188, 0.3484, 0.4302

Rectangle

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



66.8188, 0.2188, 0.3039



66.8188, 0.2232, 0.2473



66.8188, 0.4165, 0.3398



66.8188, 0.4074, 0.4075

Sweetspot

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



66.8212, 0.2188, 0.3039



85.4746, 0.2726, 0.3225



71.8544, 0.2981, 0.5863



17.9695, 0.2680, 0.3216



0.0000, 0.0000, 0.0000



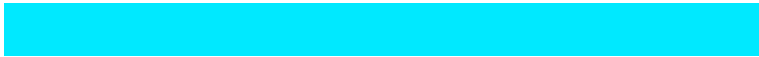
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8212, 0.2188, 0.3039



65.5257, 0.2170, 0.3013



20.7561, 0.1752, 0.1450



20.1981, 0.2980, 0.3269



34.3497, 0.2172, 0.3018



3.4200, 0.2181, 0.3051

Inverse Universe

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



27.8675, 0.3418, 0.1685



27.1460, 0.3443, 0.1670



45.8840, 0.5044, 0.4313



18.2718, 0.3151, 0.3076



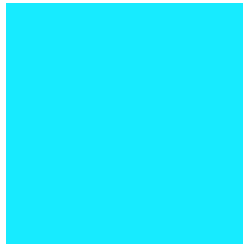
14.1956, 0.3439, 0.1668



1.3898, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 66.8188, 0.2188, 0.3039 looks on a white background.

Color Contrast Check

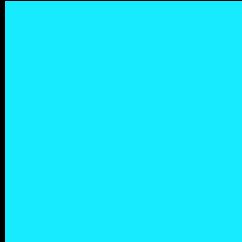
Large Text (above 18pt) WCAG AA × Fail

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 66.8188, 0.2188, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

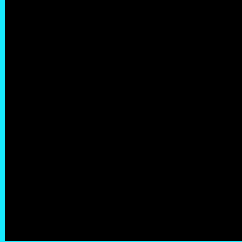
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

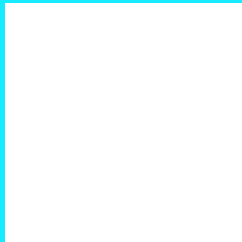
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8188, 0.2188, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 66.8188, 0.2188, 0.3039.



This preview shows how white text looks on a background with the Yxy color 66.8188, 0.2188, 0.3039.

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

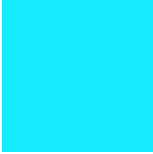
66.8188, 0.2188, 0.3039

Protanopia

65.5316, 0.2920, 0.2980

Deuteranopia

65.7416, 0.2821, 0.2784



Tritanopia

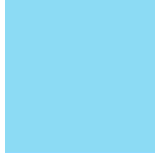
66.7318, 0.2190, 0.3050

Trichromacy



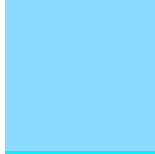
Original Color

66.8188, 0.2188, 0.3039



Protanomaly

62.7701, 0.2497, 0.2986



Deuteranomaly

63.0255, 0.2448, 0.2851



Tritanomaly

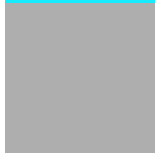
66.7430, 0.2191, 0.3050

Monochromacy



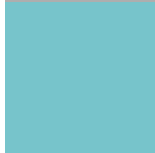
Original Color

66.8188, 0.2188, 0.3039



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.7136, 0.2550, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8188, 0.2188, 0.3039 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(23, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 235, 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(23, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8188, 0.2188, 0.3039 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(23, 235, 255) }
```

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

```
.border{ border-color:rgb(23, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8188, 0.2188, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 235, 255) }
```

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

```
.background{ background-color: rgb(23, 235,  
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](#).

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