

Converting Colors

$Yxy(66.0880, 0.2285, 0.3015)$

Have a look what the booklet for
Yxy(66.0880, 0.2285, 0.3015)
contains.

Yxy(66.2221, 0.2285, 0.3018)	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(66.2221, 0.2285, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	56E7FD
RGB	86, 231, 253
RGB Percent	34%, 91%, 99%
CMY	0.6629, 0.0941, 0.0079
CMYK	0.66, 0.09, 0.00, 0.01
HSL	188°, 98%, 66%
HSV	188°, 66%, 99%
XYZ	50.1383, 66.2221, 103.0634
YIQ	190.1530, -93.4820, -23.8980

Conversions

Conversions Part 2

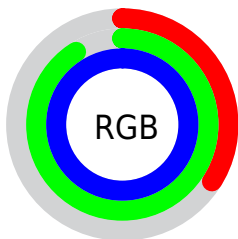
Format	Color
R _Y B	86, 164, 253
Decimal	5695485
CIE Lab	85.11, -31.82, -22.04
CIE LCh	85, 38.708, 214.715
Yxy	66.2221, 0.2285, 0.3018
Android (android.graphics.Color)	4283885565 (0xFF56E7FD)
YUV	190.1530, 30.9836, -91.3422
Hunter-Lab	81.3770, -32.4315, -18.1265

Details

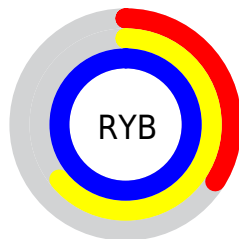
The Yxy color **66.2221, 0.2285, 0.3018** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **32.2642, 0.5150, 0.3495**, and the grayscale version is **51.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **34.6455, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **63.3831, 0.2217, 0.2971**, and if you desaturate by 10%, it is **69.5261, 0.2373, 0.3065**.

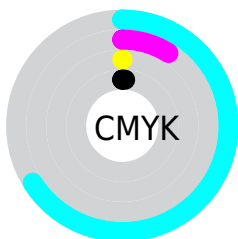
Distribution



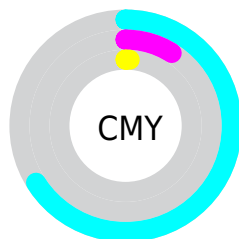
- Red (34%)
- Green (91%)
- Blue (99%)



- Red (34%)
- Yellow (64%)
- Blue (99%)



- Cyan (66%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)





- Cyan (66%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2221, 0.2285, 0.3018 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 66.2221, 0.2285, 0.3018 by changing the saturation by 10% instead.


 66.2221, 0.2285,
0.3018

 66.2221, 0.2285,
0.3018


447.1708, 0.2667,
0.3158

 48.4527, 0.2201,
0.2983


 113.8050, 0.2415,
0.3069


 34.1855, 0.2098,
0.2939


 144.3874, 0.2467,
0.3088

 23.0362, 0.1970,
0.2880


 180.0095, 0.2511,
0.3104

 14.6202, 0.1809,
0.2800

 221.0559, 0.2550,
0.3118

 8.5533, 0.1599,
0.2686

267.9107, 0.2584,
0.3130

 4.4510, 0.1319,
0.2514

320.9586, 0.2615,

 1.9289, 0.0941,

0.3140

0.2232

380.5838, 0.2642,
0.3150

■ 0.5657, 0.0000,
0.1723

■ 0.0000, 0.0000,
0.0000

■ 66.2221, 0.2285,
0.3018

■ 66.2221, 0.2285,
0.3018

■ 63.3831, 0.2217,
0.2971

■ 69.5261, 0.2373,
0.3065

■ 60.9544, 0.2168,
0.2924

■ 73.3283, 0.2479,
0.3110

■ 58.8797, 0.2137,
0.2878

■ 77.6669, 0.2601,
0.3154

■ 58.1190, 0.2128,
0.2860

■ 82.5743, 0.2736,
0.3195

■ 88.0801, 0.2881,
0.3234

■ 94.2119, 0.3033,
0.3270

■ 99.4375, 0.3139,
0.3303

■ 99.8716, 0.3139,
0.3309

Harmonies

Analogous

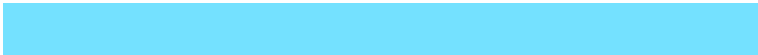
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2221, 0.2508, 0.3485



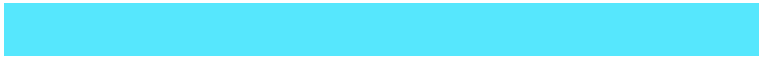
66.2221, 0.2285, 0.3018



66.2221, 0.2268, 0.2680

Triad

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



66.2221, 0.2285, 0.3018



66.2221, 0.3304, 0.2757



66.2221, 0.3805, 0.4092

Complementary

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



66.2221, 0.2285, 0.3018



32.2642, 0.5150, 0.3495

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.



66.2221, 0.4059, 0.3819



66.2221, 0.2285, 0.3018



66.2221, 0.3765, 0.3071

Square

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



66.2221, 0.2285, 0.3018



66.2221, 0.2824, 0.2562



66.2221, 0.4049, 0.3448



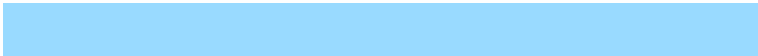
66.2221, 0.3378, 0.4152

Rectangle

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



66.2221, 0.2285, 0.3018



66.2221, 0.2372, 0.2558



66.2221, 0.4049, 0.3448



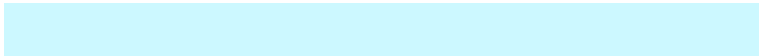
66.2221, 0.3914, 0.4018

Sweetspot

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



66.2246, 0.2285, 0.3018



87.3691, 0.2823, 0.3219



73.2528, 0.2962, 0.5224



18.3647, 0.2782, 0.3208



0.0000, 0.0000, 0.0000



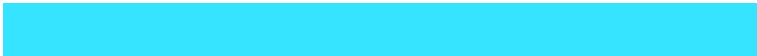
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2246, 0.2285, 0.3018



63.7462, 0.2200, 0.2957



30.8748, 0.2023, 0.1924



20.0495, 0.2980, 0.3258



31.0734, 0.2130, 0.2867



3.1340, 0.2145, 0.2920

Inverse Universe

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



33.2992, 0.3416, 0.1953



29.4851, 0.3482, 0.1814



57.9312, 0.4469, 0.4288



18.2568, 0.3158, 0.3086



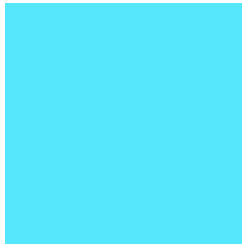
13.8648, 0.3573, 0.1742



1.3609, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 66.2221, 0.2285, 0.3018 looks on a white background.

Color Contrast Check

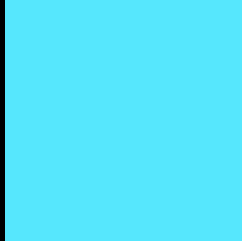
Large Text (above 18pt) WCAG AA × Fail

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 66.2221, 0.2285, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

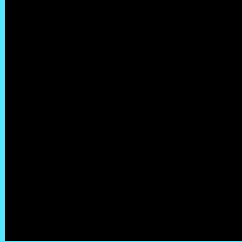
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2221, 0.2285, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 66.2221, 0.2285, 0.3018.



This preview shows how white text looks on a background with the Yxy color 66.2221, 0.2285, 0.3018.

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

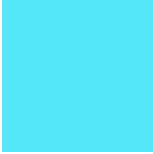
66.2221, 0.2285, 0.3018

Protanopia

64.9547, 0.2907, 0.2958

Deuteranopia

65.2555, 0.2820, 0.2773



Tritanopia

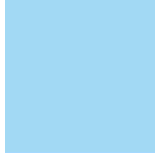
65.9388, 0.2291, 0.3053

Trichromacy



Original Color

66.2221, 0.2285, 0.3018



Protanomaly

63.8387, 0.2609, 0.2971



Deuteranomaly

64.1600, 0.2567, 0.2851



Tritanomaly

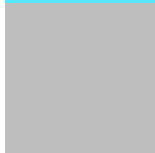
66.0482, 0.2290, 0.3041

Monochromacy



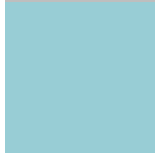
Original Color

66.2221, 0.2285, 0.3018



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.1421, 0.2704, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2221, 0.2285, 0.3018 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(86, 231, 253)` looks like.

```
.text, #text, p{  
    color:rgb(86, 231, 253)  
}
```

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(86, 231, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 231, 253) }
```

Border

The CSS property to change the border of an element to Yxy 66.2221, 0.2285, 0.3018 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(86, 231, 253) }
```

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

```
.border{ border-color:rgb(86, 231, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 231, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 231, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 231, 253);  
box-shadow:4px 4px 4px 4px rgb(86, 231,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2221, 0.2285, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 231, 253) }
```

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

```
.background{ background-color: rgb(86, 231,  
253) }
```

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