

Converting Colors

$Y_{xy}(68.2646, 0.2223, 0.3061)$

Have a look what the booklet for
Yxy(68.2646, 0.2223, 0.3061)
contains.

Yxy(68.4922, 0.2225, 0.3066)	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(68.4922, 0.2225, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	33EDFF
RGB	51, 237, 255
RGB Percent	20%, 93%, 100%
CMY	0.7992, 0.0706, 0.0001
CMYK	0.80, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 80%, 100%
XYZ	49.7049, 68.4922, 105.1956
YIQ	183.4380, -116.6340, -33.8340

Conversions

Conversions Part 2

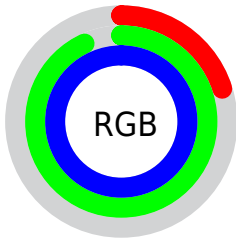
Format	Color
R _{YB}	51, 148, 255
Decimal	3403263
CIE Lab	86.25, -37.91, -21.42
CIE LCh	86, 43.543, 209.467
Yxy	68.4922, 0.2225, 0.3066
Android (android.graphics.Color)	4281593343 (0xFF33EDFF)
YUV	183.4380, 35.2801, -116.1481
Hunter-Lab	82.7600, -37.6246, -17.4311

Details

The Yxy color **68.4922, 0.2225, 0.3066** 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 **25.7800, 0.5819, 0.3411**, and the grayscale version is **47.4922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **66.7058, 0.2189, 0.3036**, and if you desaturate by 10%, it is **70.6630, 0.2280, 0.3097**.

Distribution



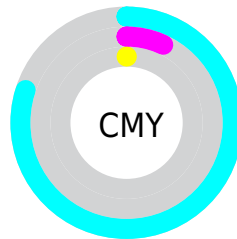
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4922, 0.2225, 0.3066 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 68.4922, 0.2225, 0.3066 by changing the saturation by 10% instead.

 68.4922, 0.2225,
0.3066


 68.4922, 0.2225,
0.3066

455.2379, 0.2630,
0.3185


 50.2983, 0.2136,
0.3036


 117.0560, 0.2363,
0.3110


 35.6504, 0.2029,
0.2996


 148.1946, 0.2417,
0.3126

 24.1644, 0.1896,
0.2944


 184.4170, 0.2465,
0.3140

 15.4556, 0.1729,
0.2872

 226.1074, 0.2506,
0.3152

 9.1397, 0.1514,
0.2769

273.6503, 0.2543,
0.3162

 4.8324, 0.1232,
0.2610

327.4301, 0.2575,

 2.1493, 0.0857,

0.3171

0.2348

387.8312, 0.2604,
0.3178

0.6921, 0.0000,
0.1922

0.0000, 0.0000,
0.0000

68.4922, 0.2225,
0.3066

68.4922, 0.2225,
0.3066

66.7058, 0.2189,
0.3036

70.6630, 0.2280,
0.3097

65.2122, 0.2168,
0.3006

73.2625, 0.2355,
0.3128

65.1999, 0.2168,
0.3005

76.3369, 0.2448,
0.3158

79.9240, 0.2560,
0.3187

■ 84.0581, 0.2686,
0.3216

■ 88.7703, 0.2825,
0.3242

■ 94.0892, 0.2974,
0.3267

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



68.4922, 0.2505, 0.3601



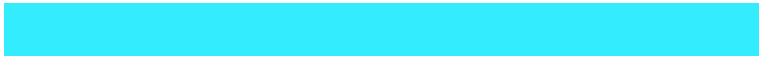
68.4922, 0.2225, 0.3066



68.4922, 0.2168, 0.2662

Triad

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



68.4922, 0.2225, 0.3066



68.4922, 0.3224, 0.2655



68.4922, 0.3942, 0.4136

Complementary

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



68.4922, 0.2225, 0.3066



25.7800, 0.5819, 0.3411

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.



68.4922, 0.4182, 0.3799



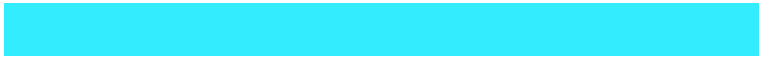
68.4922, 0.2225, 0.3066



68.4922, 0.3756, 0.2979

Square

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



68.4922, 0.2225, 0.3066



68.4922, 0.2707, 0.2470



68.4922, 0.4119, 0.3383



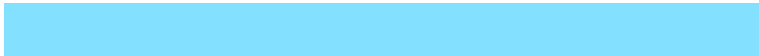
68.4922, 0.3490, 0.4264

Rectangle

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



68.4922, 0.2225, 0.3066



68.4922, 0.2255, 0.2506



68.4922, 0.4119, 0.3383



68.4922, 0.4051, 0.4039

Sweetspot

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



68.4947, 0.2225, 0.3066



86.7838, 0.2767, 0.3232



72.6405, 0.2975, 0.5660



18.2199, 0.2718, 0.3222



0.0000, 0.0000, 0.0000



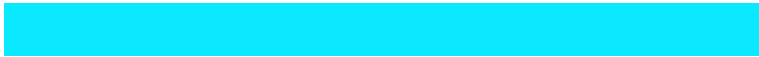
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4947, 0.2225, 0.3066



65.7832, 0.2175, 0.3017



25.5707, 0.1860, 0.1684



20.1909, 0.2980, 0.3268



34.1860, 0.2170, 0.3010



3.4057, 0.2179, 0.3045

Inverse Universe

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



29.7582, 0.3389, 0.1747



27.3868, 0.3438, 0.1678



50.2785, 0.4830, 0.4319



18.2711, 0.3152, 0.3076



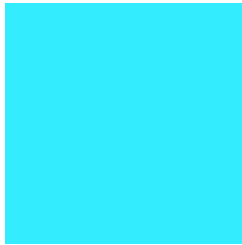
14.1791, 0.3445, 0.1671



1.3884, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 68.4922, 0.2225, 0.3066 looks on a white background.

Color Contrast Check

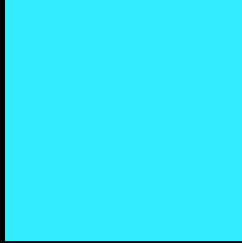
Large Text (above 18pt) WCAG AA × Fail

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 68.4922, 0.2225, 0.3066 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 68.4922, 0.2225, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 68.4922, 0.2225, 0.3066.

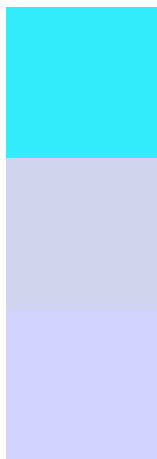


This preview shows how white text looks on a background with the Yxy color 68.4922, 0.2225, 0.3066.

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

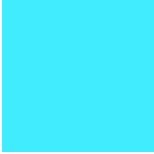
68.4922, 0.2225, 0.3066

Protanopia

67.0206, 0.2935, 0.2994

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

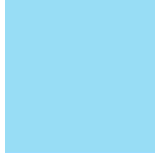
68.3347, 0.2245, 0.3055

Trichromacy



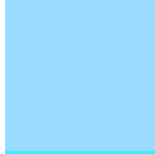
Original Color

68.4922, 0.2225, 0.3066



Protanomaly

64.9809, 0.2556, 0.3004



Deuteranomaly

65.1787, 0.2511, 0.2882



Tritanomaly

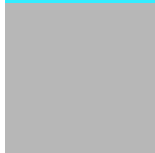
68.1716, 0.2236, 0.3054

Monochromacy



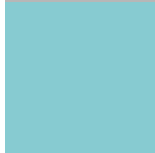
Original Color

68.4922, 0.2225, 0.3066



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.4662, 0.2621, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4922, 0.2225, 0.3066 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(51, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 237, 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(51, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.4922, 0.2225, 0.3066 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(51, 237, 255) }
```

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

```
.border{ border-color:rgb(51, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4922, 0.2225, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 237, 255) }
```

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

```
.background{ background-color: rgb(51, 237,  
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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