

Converting Colors

$Y_{xy}(68.1994, 0.2155, 0.2772)$

Have a look what the booklet for
Yxy(68.1994, 0.2155, 0.2772)
contains.

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Color

Yxy(66.5220, 0.2230, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	3EE9FF
RGB	62, 233, 255
RGB Percent	24%, 91%, 100%
CMY	0.7560, 0.0863, 0.0000
CMYK	0.76, 0.09, 0.00, 0.00
HSL	187°, 100%, 62%
HSV	187°, 76%, 100%
XYZ	49.1857, 66.5220, 104.8560
YIQ	184.3790, -108.9780, -29.4100

Conversions

Conversions Part 2

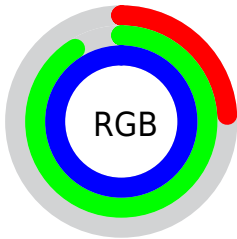
Format	Color
R _{YB}	62, 153, 255
Decimal	4123135
CIE _{Lab}	85.26, -35.05, -22.91
CIE _{LCh}	85, 41.875, 213.174
Yxy	66.5220, 0.2230, 0.3016
Android (android.graphics.Color)	4282313215 (0xFF3EE9FF)
YUV	184.3790, 34.8162, -107.3264
Hunter-Lab	81.5610, -35.0867, -19.1313

Details

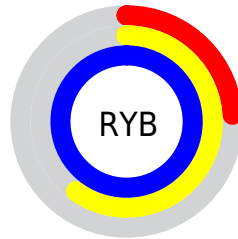
The Yxy color **66.5220, 0.2230, 0.3016** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.9883, 0.5600, 0.3460**, and the grayscale version is **48.0389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **35.5215, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **64.2462, 0.2183, 0.2976**, and if you desaturate by 10%, it is **69.2163, 0.2297, 0.3056**.

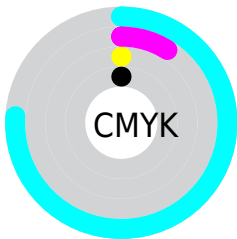
Distribution



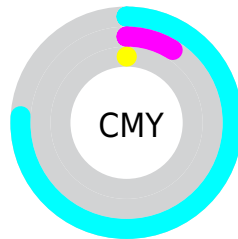
- Red (24%)
- Green (91%)
- Blue (100%)



- Red (24%)
- Yellow (60%)
- Blue (100%)



- Cyan (76%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5220, 0.2230, 0.3016 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 66.5220, 0.2230, 0.3016 by changing the saturation by 10% instead.


 66.5220, 0.2230,
0.3016


 66.5220, 0.2230,
0.3016


448.2414, 0.2635,
0.3158


 48.6963, 0.2141,
0.2980


 114.2352, 0.2368,
0.3068

 34.3786, 0.2033,
0.2934


 144.8915, 0.2422,
0.3088

 23.1846, 0.1899,
0.2874

 180.5934, 0.2470,
0.3104

 14.7299, 0.1731,
0.2792

 221.7254, 0.2511,
0.3118

 8.6300, 0.1514,
0.2674

268.6718, 0.2547,
0.3130

 4.5007, 0.1228,
0.2495

321.8170, 0.2580,

 1.9574, 0.0845,

0.3141

0.2205

381.5454, 0.2609,
0.3150

■ 0.5825, 0.0000,
0.1684

■ 0.0000, 0.0000,
0.0000

■ 66.5220, 0.2230,
0.3016

■ 66.5220, 0.2230,
0.3016

■ 64.2462, 0.2183,
0.2976

■ 69.2163, 0.2297,
0.3056

■ 62.3229, 0.2153,
0.2936

■ 72.3700, 0.2383,
0.3097

■ 61.5506, 0.2144,
0.2919

■ 76.0266, 0.2488,
0.3136

■ 80.2222, 0.2609,
0.3173

84.9897, 0.2743,
0.3209

90.3591, 0.2888,
0.3243

96.3584, 0.3040,
0.3274

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



66.5220, 0.2478, 0.3527



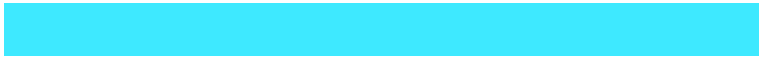
66.5220, 0.2230, 0.3016



66.5220, 0.2201, 0.2645

Triad

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



66.5220, 0.2230, 0.3016



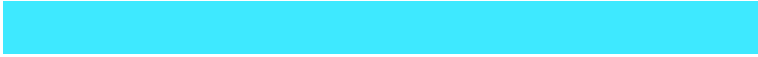
66.5220, 0.3288, 0.2704



66.5220, 0.3874, 0.4142

Complementary

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



66.5220, 0.2230, 0.3016



27.9883, 0.5600, 0.3460

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.



66.5220, 0.4139, 0.3834



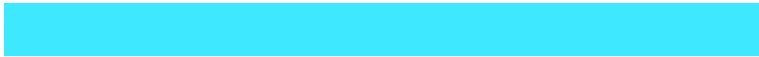
66.5220, 0.2230, 0.3016



66.5220, 0.3794, 0.3033

Square

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



66.5220, 0.2230, 0.3016



66.5220, 0.2775, 0.2504



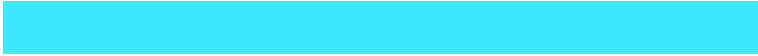
66.5220, 0.4115, 0.3434



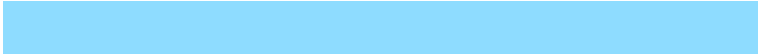
66.5220, 0.3419, 0.4229

Rectangle

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



66.5220, 0.2230, 0.3016



66.5220, 0.2304, 0.2509



66.5220, 0.4115, 0.3434



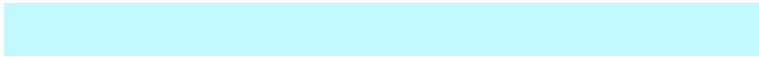
66.5220, 0.3990, 0.4057

Sweetspot

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



66.5243, 0.2230, 0.3016



86.3245, 0.2780, 0.3218



73.1533, 0.2967, 0.5527



18.0818, 0.2729, 0.3206



0.0000, 0.0000, 0.0000



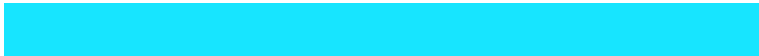
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5243, 0.2230, 0.3016



63.1672, 0.2165, 0.2954



26.8150, 0.1900, 0.1737



20.1063, 0.2980, 0.3262



32.3030, 0.2146, 0.2925



3.2416, 0.2159, 0.2971

Inverse Universe

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



30.6131, 0.3428, 0.1820



27.5004, 0.3492, 0.1727



53.4083, 0.4707, 0.4333



18.2625, 0.3156, 0.3082



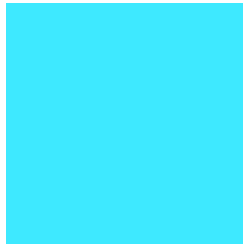
13.9890, 0.3520, 0.1713



1.3718, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 66.5220, 0.2230, 0.3016 looks on a white background.

Color Contrast Check

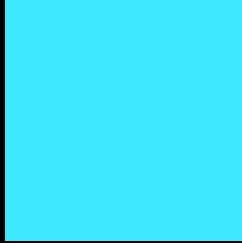
Large Text (above 18pt) WCAG AA × Fail

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 66.5220, 0.2230, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

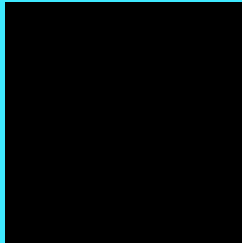
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5220, 0.2230, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 66.5220, 0.2230, 0.3016.



This preview shows how white text looks on a background with the Yxy color 66.5220, 0.2230, 0.3016.

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

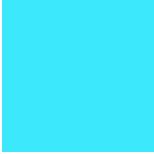
66.5220, 0.2230, 0.3016

Protanopia

65.4470, 0.2907, 0.2969

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

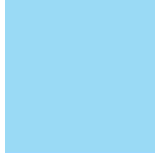
66.2668, 0.2237, 0.3051

Trichromacy



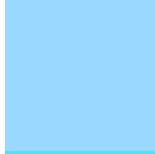
Original Color

66.5220, 0.2230, 0.3016



Protanomaly

63.6054, 0.2561, 0.2969



Deuteranomaly

63.2018, 0.2508, 0.2834



Tritanomaly

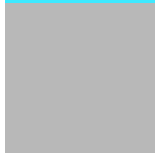
66.3618, 0.2235, 0.3040

Monochromacy



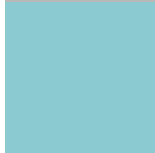
Original Color

66.5220, 0.2230, 0.3016



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.4697, 0.2643, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5220, 0.2230, 0.3016 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(62, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 233, 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(62, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.5220, 0.2230, 0.3016 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(62, 233, 255) }
```

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

```
.border{ border-color:rgb(62, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5220, 0.2230, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 233, 255) }
```

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

```
.background{ background-color: rgb(62, 233,  
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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