

Converting Colors

$Y_{xy}(67.4517, 0.2219, 0.3043)$

Have a look what the booklet for
Yxy(67.4517, 0.2219, 0.3043)
contains.

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Color

Yxy(67.3405, 0.2218, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	33EBFF
RGB	51, 235, 255
RGB Percent	20%, 92%, 100%
CMY	0.7995, 0.0785, 0.0000
CMYK	0.80, 0.08, 0.00, 0.00
HSL	186°, 100%, 60%
HSV	186°, 80%, 100%
XYZ	49.1320, 67.3405, 105.0423
YIQ	182.2640, -116.0840, -32.7880

Conversions

Conversions Part 2

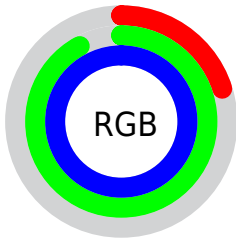
Format	Color
RYB	51, 148, 255
Decimal	3402751
CIELab	85.68, -36.98, -22.32
CIELCh	86, 43.192, 211.112
Yxy	67.3405, 0.2218, 0.3040
Android (android.graphics.Color)	4281592831 (0xFF33EBFF)
YUV	182.2640, 35.8588, -115.1185
Hunter-Lab	82.0613, -36.7351, -18.4511

Details

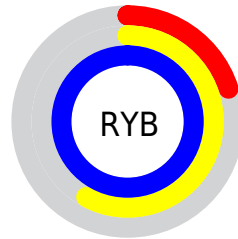
The Yxy color **67.3405, 0.2218, 0.3040** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.0248, 0.5805, 0.3425**, and the grayscale version is **46.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.4255, 0.2181, 0.3006**, and if you desaturate by 10%, it is **69.6392, 0.2274, 0.3075**.

Distribution



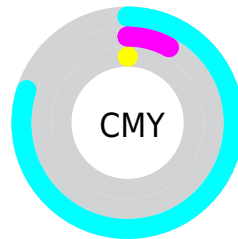
- Red (20%)
- Green (92%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3405, 0.2218, 0.3040 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 67.3405, 0.2218, 0.3040 by changing the saturation by 10% instead.


 67.3405, 0.2218,
0.3040

 67.3405, 0.2218,
0.3040

451.1558, 0.2627,
0.3171


 49.3614, 0.2128,
0.3007


 115.4082, 0.2357,
0.3088


 34.9062, 0.2019,
0.2964


 146.2655, 0.2412,
0.3106

 23.5907, 0.1885,
0.2907


 182.1844, 0.2460,
0.3122

 15.0303, 0.1716,
0.2829

 223.5493, 0.2502,
0.3135

 8.8406, 0.1498,
0.2717

270.7444, 0.2539,
0.3146

 4.6374, 0.1212,
0.2546

324.1543, 0.2572,

 2.0361, 0.0832,

0.3155

0.2267

384.1633, 0.2601,
0.3164

■ 0.6283, 0.0000,
0.1784

■ 0.0000, 0.0000,
0.0000

■ 67.3405, 0.2218,
0.3040

■ 67.3405, 0.2218,
0.3040

■ 65.4255, 0.2181,
0.3006

■ 69.6392, 0.2274,
0.3075


■ 63.8088, 0.2159,
0.2973


■ 72.3725, 0.2350,
0.3109


■ 63.8005, 0.2159,
0.2973

■ 75.5843, 0.2445,
0.3143

■ 79.3128, 0.2557,
0.3176

 83.5921, 0.2685,
0.3207

 88.4533, 0.2824,
0.3237

 93.9251, 0.2973,
0.3265

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.



67.3405, 0.2486, 0.3570



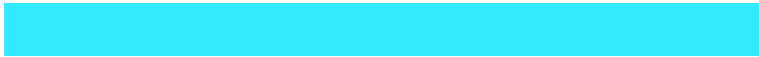
67.3405, 0.2218, 0.3040



67.3405, 0.2174, 0.2647

Triad

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



67.3405, 0.2218, 0.3040



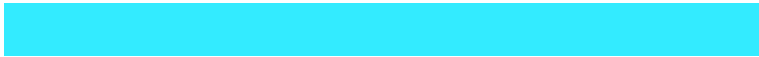
67.3405, 0.3254, 0.2671



67.3405, 0.3919, 0.4147

Complementary

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



67.3405, 0.2218, 0.3040



26.0248, 0.5805, 0.3425

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.



67.3405, 0.4174, 0.3820



67.3405, 0.2218, 0.3040



67.3405, 0.3780, 0.3000

Square

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



67.3405, 0.2218, 0.3040



67.3405, 0.2733, 0.2477



67.3405, 0.4128, 0.3406



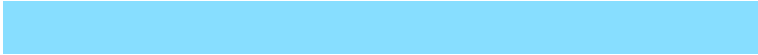
67.3405, 0.3461, 0.4260

Rectangle

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



67.3405, 0.2218, 0.3040



67.3405, 0.2269, 0.2499



67.3405, 0.4128, 0.3406



67.3405, 0.4033, 0.4055

Sweetspot

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



67.3409, 0.2218, 0.3040



86.4107, 0.2767, 0.3225



72.6462, 0.2975, 0.5661



18.1286, 0.2717, 0.3215



0.0000, 0.0000, 0.0000



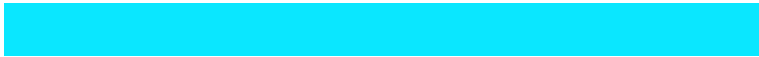
21.4041, 0.3127, 0.3290

Same Dimension

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



67.3409, 0.2218, 0.3040



64.4250, 0.2167, 0.2986



25.5581, 0.1860, 0.1683



20.1587, 0.2980, 0.3266



33.4616, 0.2161, 0.2978



3.3427, 0.2171, 0.3017

Inverse Universe

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



29.6374, 0.3411, 0.1760



27.2497, 0.3466, 0.1693



50.2710, 0.4831, 0.4319



18.2678, 0.3153, 0.3078



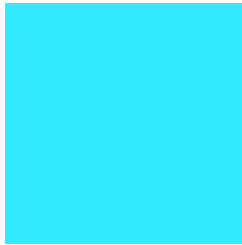
14.1059, 0.3473, 0.1687



1.3820, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 67.3405, 0.2218, 0.3040 looks on a white background.

Color Contrast Check

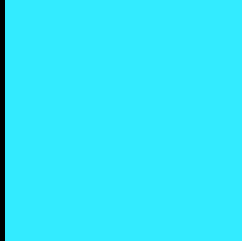
Large Text (above 18pt) WCAG AA × Fail

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 67.3405, 0.2218, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

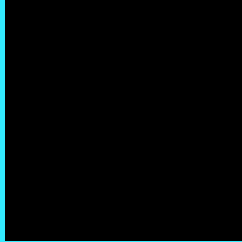
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3405, 0.2218, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 67.3405, 0.2218, 0.3040.

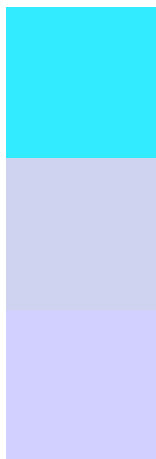


This preview shows how white text looks on a background with the Yxy color 67.3405, 0.2218, 0.3040.

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

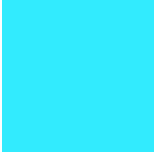
67.3405, 0.2218, 0.3040

Protanopia

66.2304, 0.2921, 0.2981

Deuteranopia

65.8871, 0.2828, 0.2785



Tritanopia

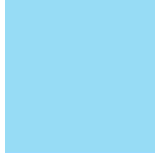
67.2505, 0.2220, 0.3052

Trichromacy



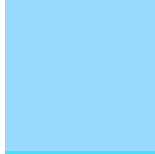
Original Color

67.3405, 0.2218, 0.3040



Protanomaly

64.3583, 0.2549, 0.2992



Deuteranomaly

64.0382, 0.2502, 0.2857



Tritanomaly

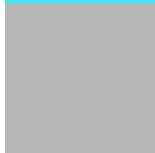
67.2505, 0.2220, 0.3052

Monochromacy



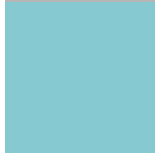
Original Color

67.3405, 0.2218, 0.3040



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.4451, 0.2611, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3405, 0.2218, 0.3040 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.3405, 0.2218, 0.3040 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, 235, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3405, 0.2218, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 235, 255) }
```

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

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