

Converting Colors

$Y_{xy}(67.8639, 0.2218, 0.3053)$

Have a look what the booklet for
Yxy(67.8639, 0.2218, 0.3053)
contains.

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Color

Yxy(67.8639, 0.2218, 0.3053)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 31ECFF |
| RGB | 49, 236, 255 |
| RGB Percent | 19%, 93%, 100% |
| CMY | 0.8089, 0.0745, 0.0000 |
| CMYK | 0.81, 0.07, 0.00, 0.00 |
| HSL | 186°, 100%, 60% |
| HSV | 186°, 81%, 100% |
| XYZ | 49.3030, 67.8639, 105.1190 |
| YIQ | 182.2530, -117.5510, -33.7350 |

Conversions

Conversions Part 2

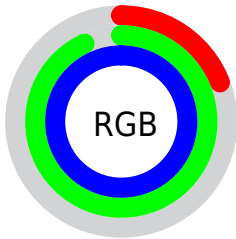
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 49, 147, 255 |
| Decimal | 3271935 |
| CIELab | 85.94, -37.65, -21.91 |
| CIELCh | 86, 43.559, 210.202 |
| Yxy | 67.8639, 0.2218, 0.3053 |
| Android (android.graphics.Color) | 4281462015 (0xFF31ECFF) |
| YUV | 182.2530, 35.8643, -116.8629 |
| Hunter-Lab | 82.3795, -37.3344, -17.9903 |

Details

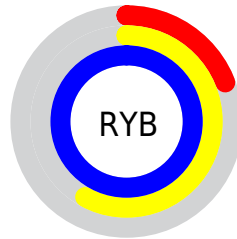
The Yxy color **67.8639, 0.2218, 0.3053** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.5780, 0.5852, 0.3414**, and the grayscale version is **46.7295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **36.7197, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **66.0615, 0.2183, 0.3021**, and if you desaturate by 10%, it is **70.0445, 0.2272, 0.3085**.

Distribution



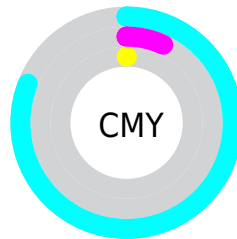
- Red (19%)
- Green (93%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8639, 0.2218, 0.3053 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 67.8639, 0.2218, 0.3053 by changing the saturation by 10% instead.

 67.8639, 0.2218,
0.3053

 67.8639, 0.2218,
0.3053


453.0137, 0.2627,
0.3178


 49.7870, 0.2128,
0.3021


 116.1574, 0.2357,
0.3099


 35.2442, 0.2020,
0.2980


 147.1429, 0.2412,
0.3117

 23.8510, 0.1886,
0.2925


 183.1999, 0.2460,
0.3131

 15.2232, 0.1717,
0.2850

 224.7130, 0.2501,
0.3143

 8.9762, 0.1500,
0.2742

272.0666, 0.2538,
0.3154

 4.7256, 0.1216,
0.2577

325.6449, 0.2571,

 2.0872, 0.0837,

0.3163

385.8325, 0.2601,
0.3171

0.2305

0.6574, 0.0000,
0.1847

0.0000, 0.0000,
0.0000

67.8639, 0.2218,
0.3053

67.8639, 0.2218,
0.3053

66.0615, 0.2183,
0.3021

70.0445, 0.2272,
0.3085

64.6695, 0.2165,
0.2993

72.6516, 0.2345,
0.3117

75.7310, 0.2437,
0.3149

79.3211, 0.2547,
0.3180

83.4565, 0.2673,
0.3210

88.1685, 0.2811,
0.3238

93.4861, 0.2959,
0.3264

99.4362, 0.3113,
0.3288

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.



67.8639, 0.2494, 0.3589



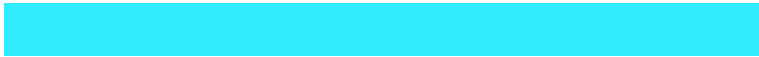
67.8639, 0.2218, 0.3053



67.8639, 0.2167, 0.2652

Triad

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



67.8639, 0.2218, 0.3053



67.8639, 0.3238, 0.2659



67.8639, 0.3935, 0.4145

Complementary

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



67.8639, 0.2218, 0.3053



25.5780, 0.5852, 0.3414

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.



67.8639, 0.4184, 0.3810



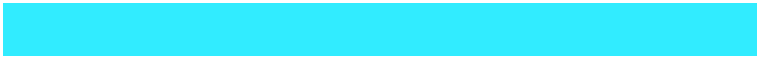
67.8639, 0.2218, 0.3053



67.8639, 0.3770, 0.2987

Square

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



67.8639, 0.2218, 0.3053



67.8639, 0.2716, 0.2470



67.8639, 0.4128, 0.3394



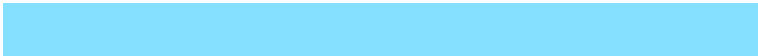
67.8639, 0.3479, 0.4267

Rectangle

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



67.8639, 0.2218, 0.3053



67.8639, 0.2258, 0.2500



67.8639, 0.4128, 0.3394



67.8639, 0.4047, 0.4050

Sweetspot

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



67.8655, 0.2218, 0.3053



86.6416, 0.2767, 0.3229



72.5583, 0.2975, 0.5682



18.1851, 0.2718, 0.3219



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.



67.8655, 0.2218, 0.3053



65.1150, 0.2170, 0.3002



25.1019, 0.1849, 0.1662



20.1786, 0.2980, 0.3267



33.9089, 0.2166, 0.2998



3.3816, 0.2176, 0.3034

Inverse Universe

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



29.4902, 0.3401, 0.1745



27.2656, 0.3452, 0.1683



49.8739, 0.4851, 0.4321



18.2698, 0.3152, 0.3077



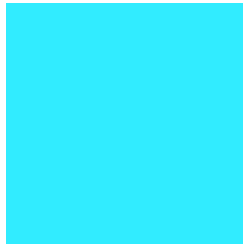
14.1511, 0.3456, 0.1677



1.3859, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 67.8639, 0.2218, 0.3053 looks on a white background.

Color Contrast Check

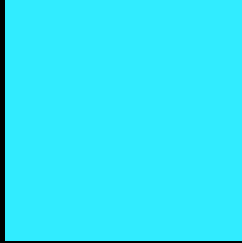
Large Text (above 18pt) WCAG AA × Fail

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 67.8639, 0.2218, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

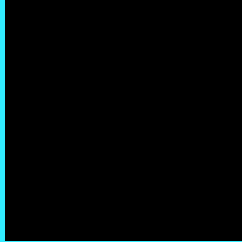
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8639, 0.2218, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 67.8639, 0.2218, 0.3053.

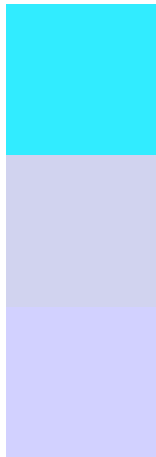


This preview shows how white text looks on a background with the Yxy color 67.8639, 0.2218, 0.3053.

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

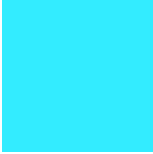
67.8639, 0.2218, 0.3053

Protanopia

66.3758, 0.2928, 0.2982

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

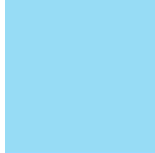
67.9147, 0.2221, 0.3053

Trichromacy



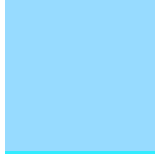
Original Color

67.8639, 0.2218, 0.3053



Protanomaly

64.3583, 0.2549, 0.2992



Deuteranomaly

64.4623, 0.2499, 0.2869



Tritanomaly

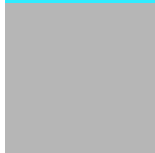
67.8890, 0.2220, 0.3053

Monochromacy



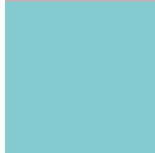
Original Color

67.8639, 0.2218, 0.3053



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.9128, 0.2613, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8639, 0.2218, 0.3053 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(49, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 236, 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(49, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8639, 0.2218, 0.3053 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(49, 236, 255) }
```

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

```
.border{ border-color:rgb(49, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8639, 0.2218, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 236, 255) }
```

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

```
.background{ background-color: rgb(49, 236,  
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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