

Converting Colors

$Yxy(56.7007, 0.1540, 0.3020)$

Have a look what the booklet for
Yxy(56.7007, 0.1540, 0.3020)
contains.

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Color

Yxy(65.9375, 0.2180, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	00EAFD
RGB	0, 234, 253
RGB Percent	0%, 92%, 99%
CMY	1.0000, 0.0823, 0.0078
CMYK	1.00, 0.08, 0.00, 0.01
HSL	185°, 100%, 50%
HSV	185°, 100%, 99%
XYZ	47.1446, 65.9375, 103.1774
YIQ	166.2000, -145.5630, -43.6990

Conversions

Conversions Part 2

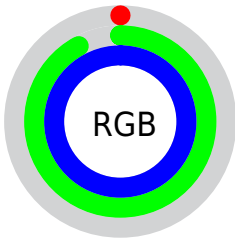
Format	Color
RYB	0, 122, 253
Decimal	60157
CIELab	84.96, -39.40, -22.37
CIELCh	85, 45.305, 209.584
Yxy	65.9375, 0.2180, 0.3049
Android (android.graphics.Color)	4278250237 (0xFF00EAFD)
YUV	166.2000, 42.7924, -145.7574
Hunter-Lab	81.2019, -38.4690, -18.4942

Details

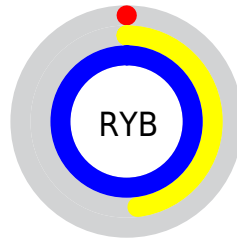
The Yxy color **65.9375, 0.2180, 0.3049** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3500, 0.6360, 0.3332**, and the grayscale version is **38.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **35.8263, 0.2166, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **65.9456, 0.2180, 0.3049**, and if you desaturate by 10%, it is **67.2436, 0.2199, 0.3074**.

Distribution



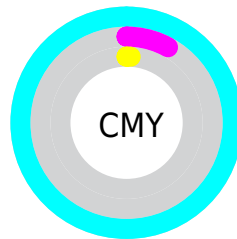
- Red (0%)
- Green (92%)
- Blue (99%)



- Red (0%)
- Yellow (48%)
- Blue (99%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9375, 0.2180, 0.3049 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 65.9375, 0.2180, 0.3049 by changing the saturation by 10% instead.


 65.9375, 0.2180,
0.3049

 65.9375, 0.2180,
0.3049


446.1533, 0.2607,
0.3178


 48.2217, 0.2086,
0.3016


 113.3966, 0.2325,
0.3097


 34.0025, 0.1972,
0.2973


 143.9087, 0.2383,
0.3115


 22.8955, 0.1832,
0.2915


 179.4550, 0.2433,
0.3130

 14.5164, 0.1656,
0.2836

 220.4199, 0.2476,
0.3142

 8.4807, 0.1429,
0.2721

 267.1878, 0.2515,
0.3153

 4.4040, 0.1134,
0.2544

320.1430, 0.2549,

 1.9020, 0.0727,

0.3163

0.2256

379.6701, 0.2580,
0.3171

■ 0.5496, 0.0000,
0.1678

■ 0.0000, 0.0000,
0.0000

■ 65.9375, 0.2180,
0.3049

■ 65.9375, 0.2180,
0.3049

■ 65.9456, 0.2180,
0.3049

■ 67.2436, 0.2199,
0.3074

■ 68.8258, 0.2234,
0.3100

■ 70.7757, 0.2287,
0.3126

■ 73.1442, 0.2360,
0.3152

■ 75.9741, 0.2451,
0.3178

■ 79.3027, 0.2561,
0.3203

■ 83.1636, 0.2686,
0.3227

■ 87.5872, 0.2825,
0.3249

■ 92.6016, 0.2973,
0.3271

Harmonies

Analogous

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



65.9375, 0.2471, 0.3615



65.9375, 0.2180, 0.3049



65.9375, 0.2122, 0.2627

Triad

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



65.9375, 0.2180, 0.3049



65.9375, 0.3230, 0.2626



65.9375, 0.3980, 0.4178

Complementary

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



65.9375, 0.2180, 0.3049



21.3500, 0.6360, 0.3332

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.



65.9375, 0.4237, 0.3822



65.9375, 0.2180, 0.3049



65.9375, 0.3791, 0.2964

Square

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



65.9375, 0.2180, 0.3049



65.9375, 0.2686, 0.2431



65.9375, 0.4174, 0.3386



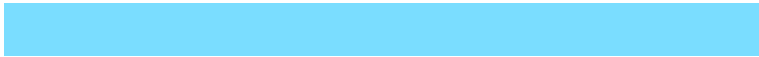
65.9375, 0.3504, 0.4319

Rectangle

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



65.9375, 0.2180, 0.3049



65.9375, 0.2214, 0.2466



65.9375, 0.4174, 0.3386



65.9375, 0.4097, 0.4076

Sweetspot

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



65.9456, 0.2180, 0.3049



84.6542, 0.2686, 0.3227



70.2964, 0.2991, 0.5969



17.7501, 0.2632, 0.3217



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.



65.9456, 0.2180, 0.3049



67.1271, 0.2180, 0.3049



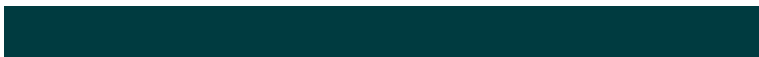
18.1662, 0.1703, 0.1329



20.2342, 0.2980, 0.3272



35.1738, 0.2182, 0.3053



3.4915, 0.2190, 0.3082

Inverse Universe

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



26.8256, 0.3411, 0.1653



27.3077, 0.3411, 0.1653



40.6411, 0.5237, 0.4224



18.2754, 0.3150, 0.3073



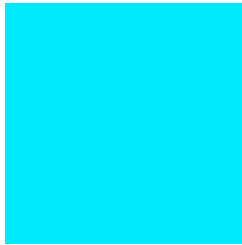
14.2788, 0.3408, 0.1651



1.3970, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 65.9375, 0.2180, 0.3049 looks on a white background.

Color Contrast Check

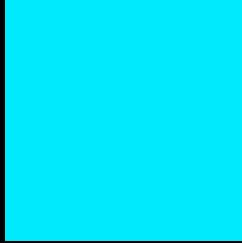
Large Text (above 18pt) WCAG AA × Fail

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 65.9375, 0.2180, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

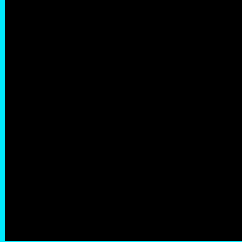
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9375, 0.2180, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 65.9375, 0.2180, 0.3049.



This preview shows how white text looks on a background with the Yxy color 65.9375, 0.2180, 0.3049.

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

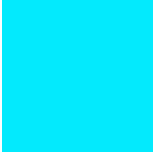
65.9375, 0.2180, 0.3049

Protanopia

64.7789, 0.2926, 0.2989

Deuteranopia

64.6280, 0.2813, 0.2761



Tritanopia

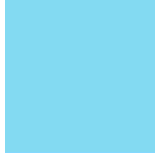
65.9568, 0.2181, 0.3049

Trichromacy



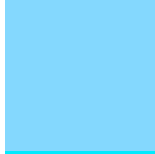
Original Color

65.9375, 0.2180, 0.3049



Protanomaly

61.3789, 0.2461, 0.2994



Deuteranomaly

61.1730, 0.2406, 0.2832



Tritanomaly

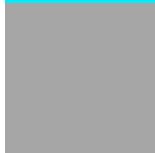
65.9504, 0.2181, 0.3049

Monochromacy



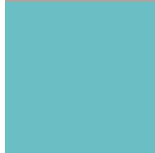
Original Color

65.9375, 0.2180, 0.3049



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.4030, 0.2495, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9375, 0.2180, 0.3049 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(0, 234, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 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(0, 234, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 253) }
```

Border

The CSS property to change the border of an element to Yxy 65.9375, 0.2180, 0.3049 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(0, 234, 253) }
```

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

```
.border{ border-color:rgb(0, 234, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9375, 0.2180, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 253) }
```

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

```
.background{ background-color: rgb(0, 234,  
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](#).

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