

Converting Colors

$Y_{xy}(30.9528, 0.1882, 0.1965)$

Have a look what the booklet for
Yxy(30.9528, 0.1882, 0.1965)
contains.

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Color

Yxy(30.8375, 0.1882, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	059CFC
RGB	5, 156, 252
RGB Percent	2%, 61%, 99%
CMY	0.9812, 0.3882, 0.0117
CMYK	0.98, 0.38, 0.00, 0.01
HSL	203°, 98%, 50%
HSV	203°, 98%, 99%
XYZ	29.5199, 30.8375, 96.4966
YIQ	121.7950, -120.8120, -2.1560

Conversions

Conversions Part 2

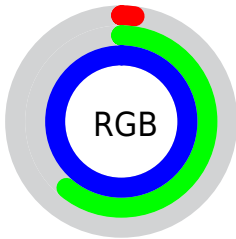
Format	Color
R _Y B	5, 99, 252
Decimal	367868
CIE Lab	62.37, 0.80, -56.99
CIE LCh	62, 56.993, 270.808
Yxy	30.8375, 0.1882, 0.1966
Android (android.graphics.Color)	4278557948 (0xFF059CFC)
YUV	121.7950, 64.1911, -102.4292
Hunter-Lab	55.5315, -2.2916, -64.1556

Details

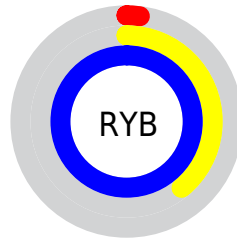
The Yxy color **30.8375, 0.1882, 0.1966** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **29.9758, 0.5719, 0.3826**, and the grayscale version is **19.1895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7579, 0.2302, 0.2734**, and **14.0433, 0.1806, 0.1702** is the 20% darker color. If you saturate the color by 10%, you get **30.1867, 0.1872, 0.1938**, and if you desaturate by 10%, it is **34.5016, 0.1942, 0.2113**.

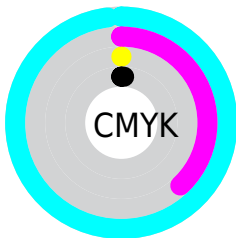
Distribution



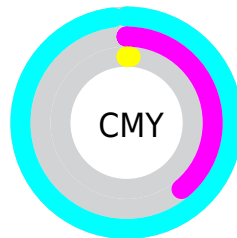
- Red (2%)
- Green (61%)
- Blue (99%)



- Red (2%)
- Yellow (39%)
- Blue (99%)



- Cyan (98%)
- Magenta (38%)
- Yellow (0%)
- Black (1%)




- Cyan (98%)
- Magenta (39%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8375, 0.1882, 0.1966 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 30.8375, 0.1882, 0.1966 by changing the saturation by 10% instead.


 30.8375, 0.1882,
0.1966


 30.8375, 0.1882,
0.1966


305.7890, 0.2498,
0.2619

 20.4751, 0.1738,
0.1814


 60.9841, 0.2100,
0.2197

 12.7409, 0.1562,
0.1628


 81.5372, 0.2184,
0.2286

 7.2504, 0.1344,
0.1398


 106.2560, 0.2255,
0.2362

 3.6192, 0.1073,
0.1113

 135.5248, 0.2317,
0.2427

 1.4629, 0.0745,
0.0768

 169.7282, 0.2371,
0.2485

 0.2624, 0.0269,
0.0262

209.2504, 0.2419,

 0.0000, 0.0000,

0.2535

0.0000

254.4758, 0.2460,
0.2580

■ 30.8375, 0.1882,
0.1966

■ 30.8375, 0.1882,
0.1966

■ 30.1867, 0.1872,
0.1938

■ 34.5016, 0.1942,
0.2113

■ 38.7322, 0.2022,
0.2264

■ 43.6025, 0.2125,
0.2416

■ 49.1666, 0.2246,
0.2567

■ 55.4712, 0.2383,
0.2713

■ 62.5575, 0.2531,
0.2852

■ 70.4634, 0.2686,
0.2982

■ 79.2235, 0.2844,
0.3102

■ 88.8703, 0.3002,
0.3210

Harmonies

Analogous

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



30.8375, 0.1624, 0.2211



30.8375, 0.1882, 0.1966



30.8375, 0.2452, 0.2011

Triad

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



30.8375, 0.1882, 0.1966



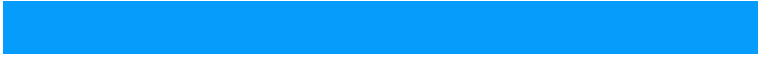
30.8375, 0.4834, 0.3389



30.8375, 0.2760, 0.4684

Complementary

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



30.8375, 0.1882, 0.1966



29.9758, 0.5719, 0.3826

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.



30.8375, 0.3611, 0.4982



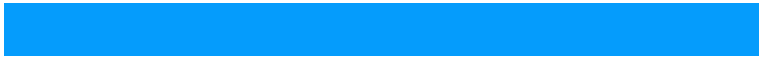
30.8375, 0.1882, 0.1966



30.8375, 0.4860, 0.4033

Square

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



30.8375, 0.1882, 0.1966



30.8375, 0.4230, 0.2788



30.8375, 0.4381, 0.4642



30.8375, 0.2057, 0.3767

Rectangle

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



30.8375, 0.1882, 0.1966



30.8375, 0.2996, 0.2180



30.8375, 0.4381, 0.4642



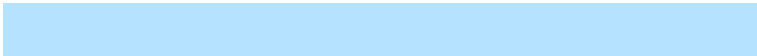
30.8375, 0.3039, 0.4869

Sweetspot

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



30.8384, 0.1882, 0.1966



71.5961, 0.2672, 0.2971



70.5675, 0.2829, 0.5373



14.5673, 0.2605, 0.2916



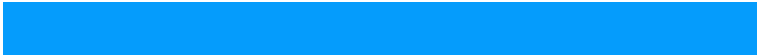
0.0000, 0.0000, 0.0000



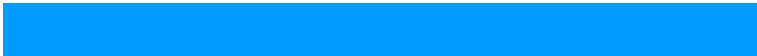
21.4041, 0.3127, 0.3290

Same Dimension

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



30.8384, 0.1882, 0.1966



30.9878, 0.1872, 0.1938



8.1832, 0.1528, 0.0687



18.4105, 0.2980, 0.3196



16.0185, 0.1879, 0.1963



1.6894, 0.1927, 0.2138

Inverse Universe

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



23.2013, 0.4490, 0.2255



23.6594, 0.4524, 0.2266



73.5711, 0.4411, 0.4872



17.4037, 0.3198, 0.3146



12.0280, 0.4495, 0.2250



1.1348, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 30.8375, 0.1882, 0.1966 looks on a white background.

Color Contrast Check

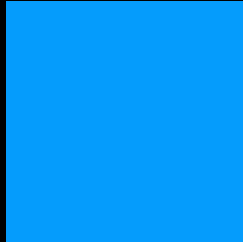
Large Text (above 18pt) WCAG AA × Fail

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 30.8375, 0.1882, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

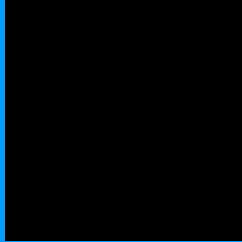
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

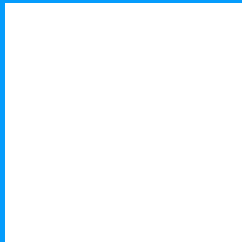
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8375, 0.1882, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 30.8375, 0.1882, 0.1966.



This preview shows how white text looks on a background with the Yxy color 30.8375, 0.1882, 0.1966.

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

30.8375, 0.1882, 0.1966

Protanopia

30.7832, 0.2175, 0.2011

Deuteranopia

30.7616, 0.1989, 0.1926



Tritanopia

30.8518, 0.2194, 0.3097

Trichromacy



Original Color

30.8375, 0.1882, 0.1966

Protanomaly

29.8830, 0.1999, 0.1972

Deuteranomaly

30.5524, 0.1924, 0.1931

Tritanomaly

30.6151, 0.2061, 0.2613

Monochromacy



Original Color

30.8375, 0.1882, 0.1966

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.5770, 0.2329, 0.2658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8375, 0.1882, 0.1966 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(5, 156, 252)` looks like.

```
.text, #text, p{  
    color:rgb(5, 156, 252)  
}
```

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(5, 156, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 156, 252) }
```

Border

The CSS property to change the border of an element to Yxy 30.8375, 0.1882, 0.1966 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(5, 156, 252) }
```

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

```
.border{ border-color:rgb(5, 156, 252) }
```

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

Here you see how a box with a 4 pixel rgb(5, 156, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 156, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 156, 252);  
box-shadow:4px 4px 4px 4px rgb(5, 156,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8375, 0.1882, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 156, 252) }
```

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

```
.background{ background-color: rgb(5, 156,  
252) }
```

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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