

Converting Colors

$Y_{xy}(30.7739, 0.1934, 0.2054)$

Have a look what the booklet for
Yxy(30.7739, 0.1934, 0.2054)
contains.

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Color

Yxy(30.6659, 0.1933, 0.2050)

Conversions

Conversions Part 1

Format	Color
Hex	239CF4
RGB	35, 156, 244
RGB Percent	14%, 61%, 96%
CMY	0.8625, 0.3883, 0.0430
CMYK	0.86, 0.36, 0.00, 0.04
HSL	205°, 91%, 55%
HSV	205°, 86%, 96%
XYZ	28.9157, 30.6659, 90.0082
YIQ	129.8530, -100.3640, 1.7160

Conversions

Conversions Part 2

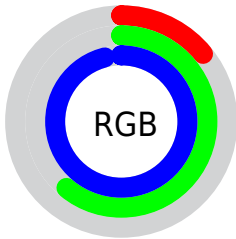
Format	Color
R _Y B	35, 112, 244
Decimal	2333940
CIE Lab	62.22, -0.89, -52.83
CIE LCh	62, 52.840, 269.030
Yxy	30.6659, 0.1933, 0.2050
Android (android.graphics.Color)	4280524020 (0xFF239CF4)
YUV	129.8530, 56.2745, -83.1861
Hunter-Lab	55.3768, -3.7034, -57.6048

Details

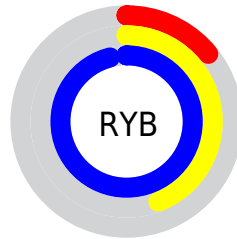
The Yxy color **30.6659, 0.1933, 0.2050** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **33.5537, 0.5325, 0.3995**, and the grayscale version is **22.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1647, 0.2326, 0.2738**, and **13.6910, 0.1830, 0.1787** is the 20% darker color. If you saturate the color by 10%, you get **27.0716, 0.1865, 0.1890**, and if you desaturate by 10%, it is **34.8504, 0.2024, 0.2215**.

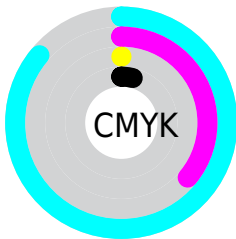
Distribution



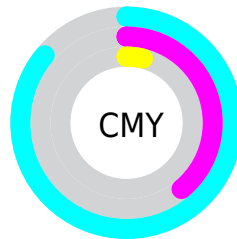
- Red (14%)
- Green (61%)
- Blue (96%)



- Red (14%)
- Yellow (44%)
- Blue (96%)



- Cyan (86%)
- Magenta (36%)
- Yellow (0%)
- Black (4%)



- Cyan (86%)
- Magenta (39%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6659, 0.1933, 0.2050 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 30.6659, 0.1933, 0.2050 by changing the saturation by 10% instead.

■ 30.6659, 0.1933,
0.2050

■ 30.6659, 0.1933,
0.2050

■ 304.9962, 0.2528,
0.2670

■ 20.3446, 0.1792,
0.1903

■ 60.7137, 0.2145,
0.2271

■ 12.6458, 0.1618,
0.1721

■ 81.2089, 0.2226,
0.2356

■ 7.1851, 0.1400,
0.1492

■ 105.8643, 0.2295,
0.2428

■ 3.5781, 0.1126,
0.1204

■ 135.0641, 0.2355,
0.2490

■ 1.4405, 0.0787,
0.0847

■ 169.1928, 0.2407,
0.2544

■ 0.2463, 0.0247,
0.0286

208.6348, 0.2452,

■ 0.0000, 0.0000,

0.2591

0.0000

253.7744, 0.2492,
0.2633

■ 30.6659, 0.1933,
0.2050

■ 30.6659, 0.1933,
0.2050

■ 27.0716, 0.1865,
0.1890

■ 34.8504, 0.2024,
0.2215

■ 25.6476, 0.1840,
0.1822

■ 39.6820, 0.2137,
0.2381

■ 45.2112, 0.2267,
0.2544

■ 51.4811, 0.2411,
0.2702

■ 58.5305, 0.2565,
0.2851

■ 66.3948, 0.2723,
0.2989

■ 75.1069, 0.2883,
0.3116

■ 84.6976, 0.3040,
0.3231

■ 95.1957, 0.3193,
0.3334

Harmonies

Analogous

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



30.6659, 0.1704, 0.2307



30.6659, 0.1933, 0.2050



30.6659, 0.2457, 0.2075

Triad

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



30.6659, 0.1933, 0.2050



30.6659, 0.4695, 0.3361



30.6659, 0.2840, 0.4607

Complementary

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



30.6659, 0.1933, 0.2050



33.5537, 0.5325, 0.3995

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.



30.6659, 0.3641, 0.4857



30.6659, 0.1933, 0.2050



30.6659, 0.4763, 0.3971

Square

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



30.6659, 0.1933, 0.2050



30.6659, 0.4107, 0.2792



30.6659, 0.4349, 0.4539



30.6659, 0.2161, 0.3792

Rectangle

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



30.6659, 0.1933, 0.2050



30.6659, 0.2960, 0.2227



30.6659, 0.4349, 0.4539



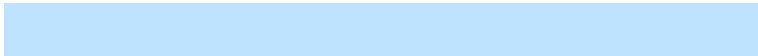
30.6659, 0.3105, 0.4766

Sweetspot

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



30.6669, 0.1933, 0.2050



72.9752, 0.2716, 0.2983



66.4880, 0.2762, 0.5021



14.9545, 0.2661, 0.2936



0.0000, 0.0000, 0.0000



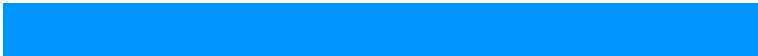
21.4041, 0.3127, 0.3290

Same Dimension

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



30.6669, 0.1933, 0.2050



28.2634, 0.1839, 0.1819



9.3916, 0.1602, 0.0823



17.5197, 0.2980, 0.3188



14.2181, 0.1847, 0.1847



1.4528, 0.1902, 0.2045

Inverse Universe

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



22.8452, 0.4379, 0.2277



23.3843, 0.4663, 0.2342



74.0906, 0.4288, 0.4889



16.6433, 0.3203, 0.3154



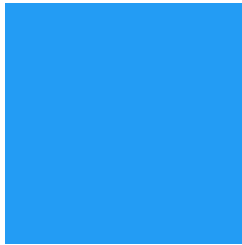
11.5347, 0.4629, 0.2324



1.0343, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 30.6659, 0.1933, 0.2050 looks on a white background.

Color Contrast Check

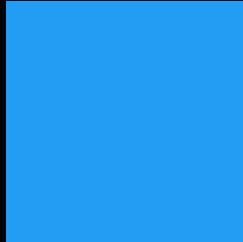
Large Text (above 18pt) WCAG AA × Fail

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 30.6659, 0.1933, 0.2050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

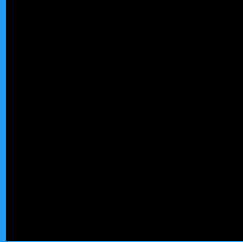
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

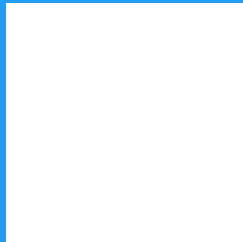
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6659, 0.1933, 0.2050

Background



This preview shows how black text looks on a background with the Yxy color 30.6659, 0.1933, 0.2050.



This preview shows how white text looks on a background with the Yxy color 30.6659, 0.1933, 0.2050.

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

30.6659, 0.1933, 0.2050

Protanopia

30.2689, 0.2232, 0.2081

Deuteranopia

30.4800, 0.2060, 0.1999



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.6659, 0.1933, 0.2050

Protanomaly

30.0120, 0.2082, 0.2065

Deuteranomaly

30.3143, 0.1996, 0.2006

Tritanomaly

30.1905, 0.2076, 0.2639

Monochromacy



Original Color

30.6659, 0.1933, 0.2050

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.8384, 0.2444, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6659, 0.1933, 0.2050 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(35, 156, 244)` looks like.

```
.text, #text, p{  
    color:rgb(35, 156, 244)  
}
```

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(35, 156, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 156, 244) }
```

Border

The CSS property to change the border of an element to Yxy 30.6659, 0.1933, 0.2050 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(35, 156, 244) }
```

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

```
.border{ border-color:rgb(35, 156, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 156, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 156, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 156, 244);  
box-shadow:4px 4px 4px 4px rgb(35, 156,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6659, 0.1933, 0.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 156, 244) }
```

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

```
.background{ background-color: rgb(35, 156,  
244) }
```

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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