

Converting Colors

$Yxy(34.7873, 0.1803, 0.1530)$

Have a look what the booklet for
Yxy(34.7873, 0.1803, 0.1530)
contains.

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Color

Yxy(30.8147, 0.1929, 0.1917)

Conversions

Conversions Part 1

Format	Color
Hex	3799FF
RGB	55, 153, 255
RGB Percent	22%, 60%, 100%
CMY	0.7851, 0.3999, 0.0000
CMYK	0.79, 0.40, 0.00, 0.00
HSL	211°, 100%, 61%
HSV	211°, 79%, 100%
XYZ	31.0076, 30.8147, 98.9221
YIQ	135.3260, -91.1500, 10.9460

Conversions

Conversions Part 2

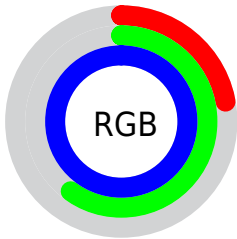
Format	Color
R _Y B	55, 121, 255
Decimal	3643903
CIE Lab	62.35, 6.48, -58.62
CIE LCh	62, 58.975, 276.311
Yxy	30.8147, 0.1929, 0.1917
Android (android.graphics.Color)	4281833983 (0xFF3799FF)
YUV	135.3260, 58.9993, -70.4459
Hunter-Lab	55.5110, 2.5631, -66.7987

Details

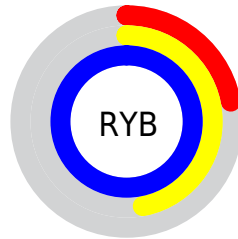
The Yxy color **30.8147, 0.1929, 0.1917** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **45.5689, 0.4946, 0.4179**, and the grayscale version is **24.1379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5915, 0.2371, 0.2707**, and **13.7777, 0.1788, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **26.2510, 0.1834, 0.1723**, and if you desaturate by 10%, it is **36.2139, 0.2048, 0.2118**.

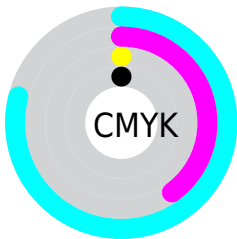
Distribution



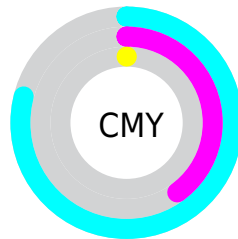
- Red (22%)
- Green (60%)
- Blue (100%)



- Red (22%)
- Yellow (47%)
- Blue (100%)



- Cyan (79%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8147, 0.1929, 0.1917 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 30.8147, 0.1929, 0.1917 by changing the saturation by 10% instead.


 30.8147, 0.1929,
0.1917


 30.8147, 0.1929,
0.1917


305.6837, 0.2524,
0.2586

 20.4578, 0.1789,
0.1764


 60.9482, 0.2140,
0.2151


 12.7282, 0.1618,
0.1577


 81.4936, 0.2221,
0.2242

 7.2417, 0.1404,
0.1347


 106.2040, 0.2291,
0.2320

 3.6137, 0.1138,
0.1066

 135.4636, 0.2350,
0.2388

 1.4599, 0.0811,
0.0730

169.6571, 0.2402,
0.2447

 0.2603, 0.0380,
0.0244

209.1686, 0.2448,

 0.0000, 0.0000,

0.2499

0.0000

254.3827, 0.2489,
0.2545

■ 30.8147, 0.1929,
0.1917

■ 30.8147, 0.1929,
0.1917

■ 26.2510, 0.1834,
0.1723

■ 36.2139, 0.2048,
0.2118

■ 22.4345, 0.1763,
0.1540

■ 42.5106, 0.2187,
0.2319

■ 21.9162, 0.1754,
0.1513

■ 49.7616, 0.2340,
0.2515

■ 58.0175, 0.2503,
0.2702

■ 67.3241, 0.2669,
0.2876

■ 77.7242, 0.2834,
0.3035

■ 89.2578, 0.2995,
0.3179

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.



30.8147, 0.1609, 0.2105



30.8147, 0.1929, 0.1917



30.8147, 0.2571, 0.2013

Triad

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



30.8147, 0.1929, 0.1917



30.8147, 0.4942, 0.3503



30.8147, 0.2592, 0.4600

Complementary

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



30.8147, 0.1929, 0.1917



45.5689, 0.4946, 0.4179

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.



30.8147, 0.3457, 0.5046



30.8147, 0.1929, 0.1917



30.8147, 0.4853, 0.4166

Square

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



30.8147, 0.1929, 0.1917



30.8147, 0.4420, 0.2877



30.8147, 0.4282, 0.4775



30.8147, 0.1923, 0.3585

Rectangle

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



30.8147, 0.1929, 0.1917



30.8147, 0.3163, 0.2215



30.8147, 0.4282, 0.4775



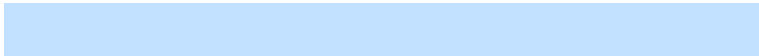
30.8147, 0.2871, 0.4837

Sweetspot

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



30.8155, 0.1929, 0.1917



71.8815, 0.2743, 0.2950



74.6892, 0.2685, 0.4638



14.6117, 0.2684, 0.2892



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.



30.8155, 0.1929, 0.1917



24.0739, 0.1792, 0.1621



10.7385, 0.1648, 0.0844



18.8494, 0.2979, 0.3166



11.7489, 0.1762, 0.1543



1.3619, 0.1820, 0.1751

Inverse Universe

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



26.2728, 0.4506, 0.2449



23.3011, 0.4898, 0.2500



93.0538, 0.4128, 0.4945



18.1357, 0.3217, 0.3174



11.9140, 0.5004, 0.2530



1.1820, 0.4745, 0.2387

Previews

White Background



This preview shows how the Yxy color 30.8147, 0.1929, 0.1917 looks on a white background.

Color Contrast Check

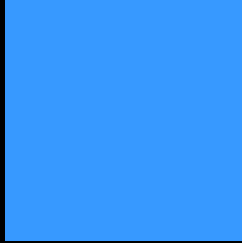
Large Text (above 18pt) WCAG AA × Fail

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 30.8147, 0.1929, 0.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

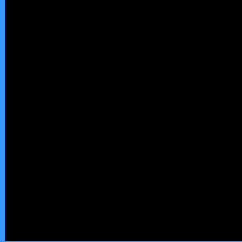
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

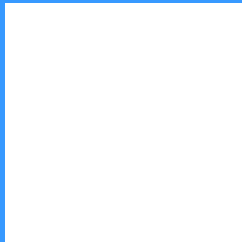
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8147, 0.1929, 0.1917

Background



This preview shows how black text looks on a background with the Yxy color 30.8147, 0.1929, 0.1917.



This preview shows how white text looks on a background with the Yxy color 30.8147, 0.1929, 0.1917.

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

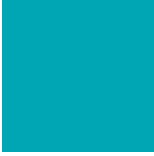
30.8147, 0.1929, 0.1917

Protanopia

30.5231, 0.2120, 0.1935

Deuteranopia

30.7309, 0.1970, 0.1904



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.8147, 0.1929, 0.1917

Protanomaly

30.5346, 0.2035, 0.1930

Deuteranomaly

30.8347, 0.1955, 0.1912

Tritanomaly

30.1435, 0.2059, 0.2554

Monochromacy



Original Color

30.8147, 0.1929, 0.1917

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.6648, 0.2480, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8147, 0.1929, 0.1917 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(55, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 153, 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(55, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.8147, 0.1929, 0.1917 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(55, 153, 255) }
```

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

```
.border{ border-color:rgb(55, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8147, 0.1929, 0.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 153, 255) }
```

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

```
.background{ background-color: rgb(55, 153,  
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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