

Converting Colors

$Y_{xy}(30.7965, 0.1943, 0.1945)$

Have a look what the booklet for
Yxy(30.7965, 0.1943, 0.1945)
contains.

Yxy(30.6806, 0.1943, 0.1945)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.6806, 0.1943, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	3999FC
RGB	57, 153, 252
RGB Percent	22%, 60%, 99%
CMY	0.7766, 0.4000, 0.0117
CMYK	0.77, 0.39, 0.00, 0.01
HSL	210°, 97%, 61%
HSV	210°, 77%, 99%
XYZ	30.6491, 30.6806, 96.4112
YIQ	135.5820, -88.9950, 10.4370

Conversions

Conversions Part 2

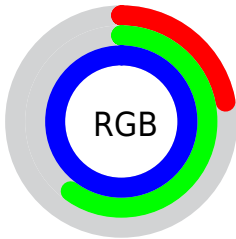
Format	Color
R _Y B	57, 121, 252
Decimal	3774972
CIE Lab	62.24, 5.64, -57.16
CIE LCh	62, 57.438, 275.636
Yxy	30.6806, 0.1943, 0.1945
Android (android.graphics.Color)	4281965052 (0xFF3999FC)
YUV	135.5820, 57.3941, -68.9164
Hunter-Lab	55.3901, 1.8370, -64.4263

Details

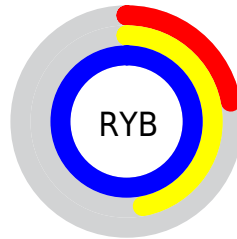
The Yxy color **30.6806, 0.1943, 0.1945** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **44.7655, 0.4920, 0.4173**, and the grayscale version is **24.2618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5915, 0.2371, 0.2707**, and **13.6406, 0.1796, 0.1667** is the 20% darker color. If you saturate the color by 10%, you get **26.1499, 0.1845, 0.1750**, and if you desaturate by 10%, it is **36.0292, 0.2064, 0.2146**.

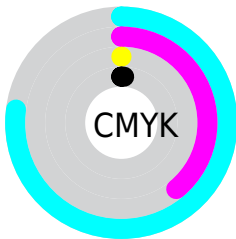
Distribution



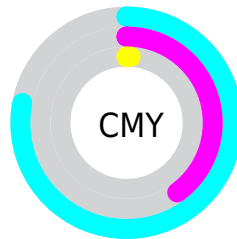
- Red (22%)
- Green (60%)
- Blue (99%)



- Red (22%)
- Yellow (47%)
- Blue (99%)



- Cyan (77%)
- Magenta (39%)
- Yellow (0%)
- Black (1%)





- Cyan (78%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6806, 0.1943, 0.1945 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 30.6806, 0.1943, 0.1945 by changing the saturation by 10% instead.


 30.6806, 0.1943,
0.1945


 30.6806, 0.1943,
0.1945


305.0641, 0.2533,
0.2604

 20.3558, 0.1804,
0.1793


 60.7369, 0.2153,
0.2177


 12.6539, 0.1632,
0.1607


 81.2371, 0.2233,
0.2266

 7.1907, 0.1419,
0.1377

 105.8978, 0.2302,
0.2343

 3.5816, 0.1151,
0.1094

 135.1036, 0.2361,
0.2409

 1.4424, 0.0820,
0.0753

169.2387, 0.2412,
0.2467

 0.2477, 0.0370,
0.0245

208.6876, 0.2458,

 0.0000, 0.0000,

0.2518

0.0000

253.8346, 0.2498,
0.2564

■ 30.6806, 0.1943,
0.1945

■ 30.6806, 0.1943,
0.1945

■ 26.1499, 0.1845,
0.1750

■ 36.0292, 0.2064,
0.2146

■ 22.3578, 0.1772,
0.1566

■ 42.2543, 0.2205,
0.2346

■ 21.4638, 0.1756,
0.1520

■ 49.4104, 0.2359,
0.2540

■ 57.5457, 0.2522,
0.2724

■ 66.7044, 0.2688,
0.2896

■ 76.9276, 0.2852,
0.3053

■ 88.2538, 0.3013,
0.3195

99.8090, 0.3144,
0.3318

Harmonies

Analogous

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



30.6806, 0.1634, 0.2139



30.6806, 0.1943, 0.1945



30.6806, 0.2567, 0.2033

Triad

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



30.6806, 0.1943, 0.1945



30.6806, 0.4894, 0.3490



30.6806, 0.2625, 0.4581

Complementary

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



30.6806, 0.1943, 0.1945



44.7655, 0.4920, 0.4173

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.



30.6806, 0.3475, 0.5002



30.6806, 0.1943, 0.1945



30.6806, 0.4825, 0.4141

Square

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



30.6806, 0.1943, 0.1945



30.6806, 0.4371, 0.2875



30.6806, 0.4278, 0.4735



30.6806, 0.1961, 0.3603

Rectangle

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



30.6806, 0.1943, 0.1945



30.6806, 0.3142, 0.2228



30.6806, 0.4278, 0.4735



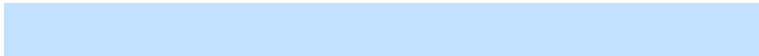
30.6806, 0.2900, 0.4806

Sweetspot

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



30.6816, 0.1943, 0.1945



72.9756, 0.2760, 0.2967



72.8471, 0.2685, 0.4615



14.8283, 0.2700, 0.2909



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.



30.6816, 0.1943, 0.1945



24.5666, 0.1801, 0.1644



10.8223, 0.1662, 0.0868



18.0543, 0.2980, 0.3166



11.4733, 0.1764, 0.1550



1.2743, 0.1824, 0.1768

Inverse Universe

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



25.9217, 0.4471, 0.2447



23.4261, 0.4867, 0.2489



90.6211, 0.4121, 0.4933



17.3677, 0.3216, 0.3174



11.5691, 0.4995, 0.2525



1.0929, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 30.6806, 0.1943, 0.1945 looks on a white background.

Color Contrast Check

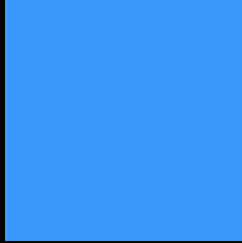
Large Text (above 18pt) WCAG AA × Fail

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 30.6806, 0.1943, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

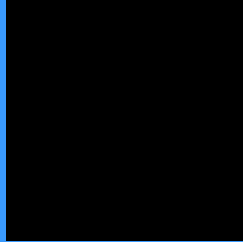
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

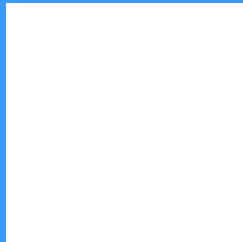
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6806, 0.1943, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 30.6806, 0.1943, 0.1945.



This preview shows how white text looks on a background with the Yxy color 30.6806, 0.1943, 0.1945.

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

30.6806, 0.1943, 0.1945

Protanopia

30.4628, 0.2143, 0.1965

Deuteranopia

30.7616, 0.1989, 0.1926



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.6806, 0.1943, 0.1945

Protanomaly

30.4459, 0.2054, 0.1960

Deuteranomaly

30.8135, 0.1970, 0.1933

Tritanomaly

30.0569, 0.2068, 0.2582

Monochromacy



Original Color

30.6806, 0.1943, 0.1945

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6862, 0.2495, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6806, 0.1943, 0.1945 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(57, 153, 252)` looks like.

```
.text, #text, p{  
    color:rgb(57, 153, 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(57, 153, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 153, 252) }
```

Border

The CSS property to change the border of an element to Yxy 30.6806, 0.1943, 0.1945 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(57, 153, 252) }
```

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

```
.border{ border-color:rgb(57, 153, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 153, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 153, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 153, 252);  
box-shadow:4px 4px 4px 4px rgb(57, 153,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6806, 0.1943, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 153, 252) }
```

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

```
.background{ background-color: rgb(57, 153,  
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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