

Converting Colors

$Yxy(31.8108, 0.1875, 0.1778)$

Have a look what the booklet for
Yxy(31.8108, 0.1875, 0.1778)
contains.

Yxy(30.6806, 0.1918, 0.1913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.6806, 0.1918, 0.1913)

Conversions

Conversions Part 1

Format	Color
Hex	3299FF
RGB	50, 153, 255
RGB Percent	20%, 60%, 100%
CMY	0.8039, 0.4000, 0.0000
CMYK	0.80, 0.40, 0.00, 0.00
HSL	210°, 100%, 60%
HSV	210°, 80%, 100%
XYZ	30.7608, 30.6806, 98.9381
YIQ	133.8310, -94.1300, 9.8860

Conversions

Conversions Part 2

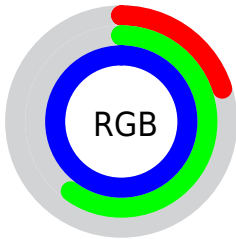
Format	Color
R _{YB}	50, 119, 255
Decimal	3316223
CIE Lab	62.24, 6.06, -58.82
CIE LCh	62, 59.135, 275.879
Yxy	30.6806, 0.1918, 0.1913
Android (android.graphics.Color)	4281506303 (0xFF3299FF)
YUV	133.8310, 59.7363, -73.5198
Hunter-Lab	55.3901, 2.1971, -67.1311

Details

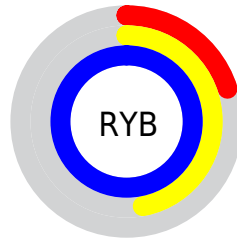
The Yxy color **30.6806, 0.1918, 0.1913** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **43.9512, 0.5018, 0.4158**, and the grayscale version is **23.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3577, 0.2357, 0.2705**, and **13.7777, 0.1788, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **26.2663, 0.1829, 0.1724**, and if you desaturate by 10%, it is **35.8942, 0.2031, 0.2109**.

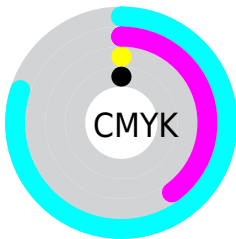
Distribution



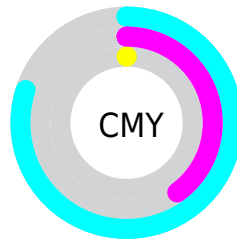
- Red (20%)
- Green (60%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6806, 0.1918, 0.1913 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, 0.1918, 0.1913 by changing the saturation by 10% instead.


 30.6806, 0.1918,
0.1913


 30.6806, 0.1918,
0.1913


305.0641, 0.2519,
0.2585


 20.3558, 0.1777,
0.1759


 60.7369, 0.2131,
0.2148


 12.6539, 0.1604,
0.1571


 81.2371, 0.2213,
0.2240

 7.1907, 0.1390,
0.1341

 105.8978, 0.2283,
0.2318

 3.5816, 0.1122,
0.1060

 135.1036, 0.2343,
0.2386

 1.4424, 0.0795,
0.0723

169.2387, 0.2395,
0.2445

 0.2477, 0.0360,
0.0233

208.6876, 0.2442,

 0.0000, 0.0000,

0.2497

0.0000

253.8346, 0.2482,
0.2543

■ 30.6806, 0.1918,
0.1913

■ 30.6806, 0.1918,
0.1913

■ 26.2663, 0.1829,
0.1724

■ 35.8942, 0.2031,
0.2109

■ 22.6872, 0.1765,
0.1553

■ 41.9767, 0.2165,
0.2306

■ 48.9831, 0.2315,
0.2499

■ 56.9637, 0.2474,
0.2683

■ 65.9644, 0.2639,
0.2855

■ 76.0277, 0.2803,
0.3013

■ 87.1932, 0.2965,
0.3157

99.4982, 0.3121,
0.3285

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.



30.6806, 0.1601, 0.2106



30.6806, 0.1918, 0.1913



30.6806, 0.2557, 0.2006

Triad

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



30.6806, 0.1918, 0.1913



30.6806, 0.4946, 0.3493



30.6806, 0.2601, 0.4618

Complementary

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



30.6806, 0.1918, 0.1913



43.9512, 0.5018, 0.4158

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, 0.3470, 0.5055



30.6806, 0.1918, 0.1913



30.6806, 0.4864, 0.4158

Square

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



30.6806, 0.1918, 0.1913



30.6806, 0.4414, 0.2867



30.6806, 0.4296, 0.4772



30.6806, 0.1926, 0.3601

Rectangle

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



30.6806, 0.1918, 0.1913



30.6806, 0.3149, 0.2206



30.6806, 0.4296, 0.4772



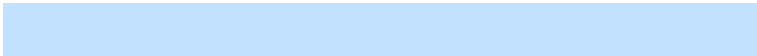
30.6806, 0.2881, 0.4853

Sweetspot

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



30.6792, 0.1918, 0.1913



72.2684, 0.2744, 0.2958



74.3711, 0.2700, 0.4723



14.7043, 0.2685, 0.2901



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.



30.6792, 0.1918, 0.1913



24.1119, 0.1790, 0.1623



10.4835, 0.1631, 0.0828



18.8859, 0.2979, 0.3169



12.1535, 0.1773, 0.1582



1.4018, 0.1830, 0.1787

Inverse Universe

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



25.8417, 0.4517, 0.2425



23.1800, 0.4897, 0.2490



90.8498, 0.4160, 0.4941



18.1393, 0.3215, 0.3171



11.9549, 0.4954, 0.2503



1.1861, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 30.6806, 0.1918, 0.1913 looks on a white background.

Color Contrast Check

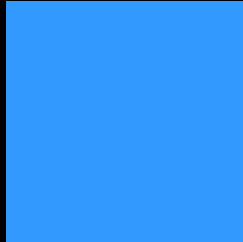
Large Text (above 18pt) WCAG AA × Fail

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, 0.1918, 0.1913 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

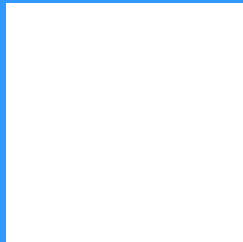
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6806, 0.1918, 0.1913

Background



This preview shows how black text looks on a background with the Yxy color 30.6806, 0.1918, 0.1913.



This preview shows how white text looks on a background with the Yxy color 30.6806, 0.1918, 0.1913.

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

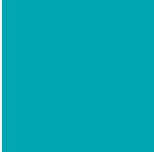
30.6806, 0.1918, 0.1913

Protanopia

30.4609, 0.2124, 0.1944

Deuteranopia

30.6928, 0.1967, 0.1903



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.6806, 0.1918, 0.1913

Protanomaly

30.4384, 0.2027, 0.1928

Deuteranomaly

30.7332, 0.1946, 0.1909

Tritanomaly

30.0746, 0.2060, 0.2568

Monochromacy



Original Color

30.6806, 0.1918, 0.1913

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.1477, 0.2462, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6806, 0.1918, 0.1913 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(50, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.6806, 0.1918, 0.1913 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(50, 153, 255) }
```

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

```
.border{ border-color:rgb(50, 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(50, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6806, 0.1918, 0.1913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 153, 255) }
```

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

```
.background{ background-color: rgb(50, 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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