

Converting Colors

$Y_{xy}(30.0488, 0.1920, 0.1884)$

Have a look what the booklet for
Yxy(30.0488, 0.1920, 0.1884)
contains.

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Color

Yxy(30.1654, 0.1922, 0.1889)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 3797FF |
| RGB | 55, 151, 255 |
| RGB Percent | 22%, 59%, 100% |
| CMY | 0.7845, 0.4078, 0.0000 |
| CMYK | 0.78, 0.41, 0.00, 0.00 |
| HSL | 211°, 100%, 61% |
| HSV | 211°, 78%, 100% |
| XYZ | 30.6924, 30.1654, 98.8320 |
| YIQ | 134.1520, -90.6000, 11.9920 |

Conversions

Conversions Part 2

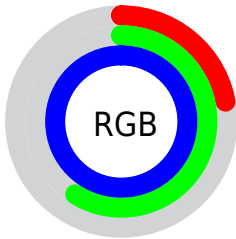
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 55, 120, 255 |
| Decimal | 3643391 |
| CIE _{Lab} | 61.80, 7.70, -59.51 |
| CIE _{LCh} | 62, 60.010, 277.373 |
| Yxy | 30.1654, 0.1922, 0.1889 |
| Android (android.graphics.Color) | 4281833471 (0xFF3797FF) |
| YUV | 134.1520, 59.5781, -69.4163 |
| Hunter-Lab | 54.9230, 3.6350, -68.2441 |

Details

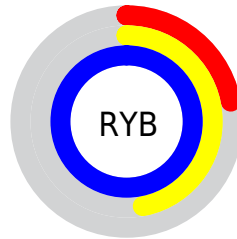
The Yxy color **30.1654, 0.1922, 0.1889** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **46.3137, 0.4924, 0.4198**, and the grayscale version is **23.6956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6285, 0.2366, 0.2681**, and **13.3846, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **25.5920, 0.1826, 0.1691**, and if you desaturate by 10%, it is **35.5888, 0.2043, 0.2094**.

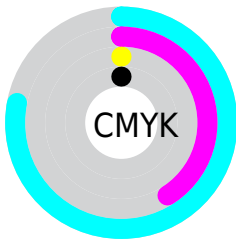
Distribution



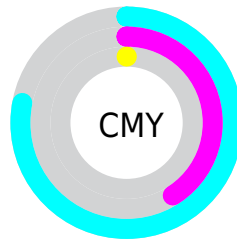
- Red (22%)
- Green (59%)
- Blue (100%)



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



- Cyan (78%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1654, 0.1922, 0.1889 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 30.1654, 0.1922, 0.1889 by changing the saturation by 10% instead.


 30.1654, 0.1922,
0.1889


 30.1654, 0.1922,
0.1889


302.6747, 0.2522,
0.2571


 19.9642, 0.1781,
0.1733


 59.9237, 0.2135,
0.2128


 12.3690, 0.1608,
0.1544


 80.2495, 0.2217,
0.2220

 6.9955, 0.1392,
0.1312


 104.7189, 0.2287,
0.2300

 3.4593, 0.1123,
0.1029

 133.7164, 0.2347,
0.2369

 1.3760, 0.0795,
0.0694

167.6263, 0.2400,
0.2429

 0.1989, 0.0357,
0.0188

206.8331, 0.2446,

 0.0000, 0.0000,

0.2482

0.0000

251.7211, 0.2486,
0.2529

■ 30.1654, 0.1922,
0.1889

■ 30.1654, 0.1922,
0.1889

■ 25.5920, 0.1826,
0.1691

■ 35.5888, 0.2043,
0.2094

■ 21.7838, 0.1754,
0.1506

■ 41.9293, 0.2183,
0.2299

■ 21.2464, 0.1744,
0.1479

■ 49.2434, 0.2338,
0.2500

■ 57.5821, 0.2502,
0.2690

■ 66.9924, 0.2669,
0.2868

■ 77.5177, 0.2834,
0.3031

■ 89.1989, 0.2996,
0.3178

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.



30.1654, 0.1586, 0.2067



30.1654, 0.1922, 0.1889



30.1654, 0.2586, 0.1997

Triad

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



30.1654, 0.1922, 0.1889



30.1654, 0.4992, 0.3525



30.1654, 0.2547, 0.4607

Complementary

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



30.1654, 0.1922, 0.1889



46.3137, 0.4924, 0.4198

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.



30.1654, 0.3426, 0.5090



30.1654, 0.1922, 0.1889



30.1654, 0.4875, 0.4200

Square

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



30.1654, 0.1922, 0.1889



30.1654, 0.4480, 0.2887



30.1654, 0.4274, 0.4822



30.1654, 0.1878, 0.3551

Rectangle

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



30.1654, 0.1922, 0.1889



30.1654, 0.3197, 0.2207



30.1654, 0.4274, 0.4822



30.1654, 0.2829, 0.4859

Sweetspot

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



30.1648, 0.1922, 0.1889



71.5370, 0.2743, 0.2942



74.8101, 0.2671, 0.4590



14.5294, 0.2683, 0.2883



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.



30.1648, 0.1922, 0.1889



23.3933, 0.1783, 0.1587



10.8557, 0.1659, 0.0851



18.8169, 0.2979, 0.3163



11.3970, 0.1752, 0.1508



1.3270, 0.1811, 0.1719

Inverse Universe

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



26.2221, 0.4537, 0.2469



23.2324, 0.4940, 0.2524



92.4285, 0.4104, 0.4961



18.1324, 0.3218, 0.3176



11.8785, 0.5049, 0.2555



1.1785, 0.4784, 0.2409

Previews

White Background



This preview shows how the Yxy color 30.1654, 0.1922, 0.1889 looks on a white background.

Color Contrast Check

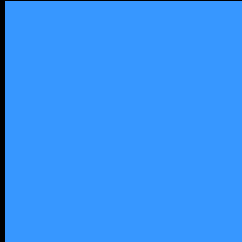
Large Text (above 18pt) WCAG AA × Fail

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 30.1654, 0.1922, 0.1889 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

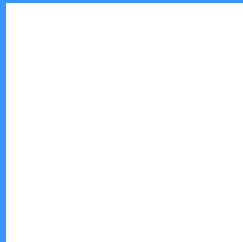
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1654, 0.1922, 0.1889

Background



This preview shows how black text looks on a background with the Yxy color 30.1654, 0.1922, 0.1889.



This preview shows how white text looks on a background with the Yxy color 30.1654, 0.1922, 0.1889.

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

30.1654, 0.1922, 0.1889

Protanopia

30.0334, 0.2102, 0.1917

Deuteranopia

30.1909, 0.1948, 0.1885



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.1654, 0.1922, 0.1889

Protanomaly

29.8109, 0.2020, 0.1901

Deuteranomaly

30.0568, 0.1937, 0.1881

Tritanomaly

29.6981, 0.2062, 0.2564

Monochromacy



Original Color

30.1654, 0.1922, 0.1889

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9738, 0.2474, 0.2659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1654, 0.1922, 0.1889 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 151, 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, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.1654, 0.1922, 0.1889 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, 151, 255) }
```

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

```
.border{ border-color:rgb(55, 151, 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, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1654, 0.1922, 0.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 151, 255) }
```

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

```
.background{ background-color: rgb(55, 151,  
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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