

Converting Colors

$Y_{xy}(28.5554, 0.1958, 0.1856)$

Have a look what the booklet for
Yxy(28.5554, 0.1958, 0.1856)
contains.

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Color

Yxy(28.5554, 0.1958, 0.1856)

Conversions

Conversions Part 1

Format	Color
Hex	4791FB
RGB	71, 145, 251
RGB Percent	28%, 57%, 98%
CMY	0.7222, 0.4313, 0.0158
CMYK	0.72, 0.42, 0.00, 0.02
HSL	215°, 96%, 63%
HSV	215°, 72%, 98%
XYZ	30.1247, 28.5554, 95.1744
YIQ	134.9580, -78.1300, 17.2780

Conversions

Conversions Part 2

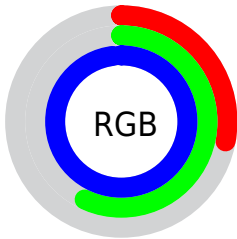
Format	Color
RYB	71, 123, 251
Decimal	4690427
CIELab	60.39, 11.65, -59.53
CIELCh	60, 60.654, 281.072
Yxy	28.5554, 0.1958, 0.1856
Android (android.graphics.Color)	4282880507 (0xFF4791FB)
YUV	134.9580, 57.2087, -56.0912
Hunter-Lab	53.4373, 7.1124, -68.1924

Details

The Yxy color **28.5554, 0.1958, 0.1856** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **52.3224, 0.4640, 0.4290**, and the grayscale version is **24.0047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0971, 0.2393, 0.2599**, and **12.0795, 0.1761, 0.1538** is the 20% darker color. If you saturate the color by 10%, you get **23.5743, 0.1837, 0.1631**, and if you desaturate by 10%, it is **34.5157, 0.2102, 0.2087**.

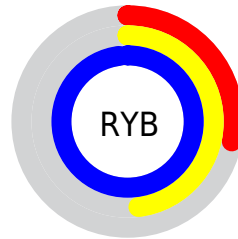
Distribution



Red (28%)

Green (57%)

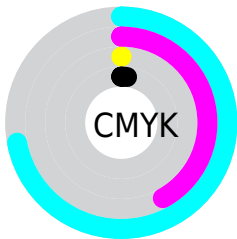
Blue (98%)



Red (28%)

Yellow (48%)

Blue (98%)

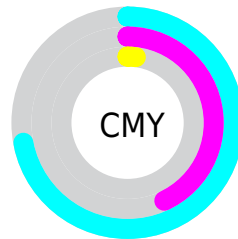


Cyan (72%)

Magenta (42%)

Yellow (0%)

Black (2%)



Cyan (72%)


Magenta (43%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5554, 0.1958, 0.1856 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 28.5554, 0.1958, 0.1856 by changing the saturation by 10% instead.


 28.5554, 0.1958,
0.1856


 28.5554, 0.1958,
0.1856


295.1114, 0.2548,
0.2555

 18.7447, 0.1817,
0.1696


 57.3700, 0.2169,
0.2101


 11.4860, 0.1643,
0.1502


 77.1426, 0.2250,
0.2195

 6.3947, 0.1425,
0.1265


 101.0048, 0.2318,
0.2277

 3.0865, 0.1151,
0.0977

 129.3408, 0.2377,
0.2348

 1.1771, 0.0813,
0.0638

162.5351, 0.2429,
0.2409

 0.0429, 0.0340,
0.0045

200.9720, 0.2474,

 0.0000, 0.0000,

0.2463

0.0000

245.0360, 0.2513,
0.2512

■ 28.5554, 0.1958,
0.1856

■ 28.5554, 0.1958,
0.1856

■ 23.5743, 0.1837,
0.1631

■ 34.5157, 0.2102,
0.2087

■ 19.4957, 0.1743,
0.1421

■ 41.5169, 0.2263,
0.2317

■ 16.7359, 0.1685,
0.1265

■ 49.6173, 0.2432,
0.2538

■ 58.8695, 0.2606,
0.2746

■ 69.3224, 0.2777,
0.2937

■ 81.0215, 0.2943,
0.3110

■ 94.0098, 0.3100,
0.3264

■ 99.7438, 0.3150,
0.3328

Harmonies

Analogous

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



28.5554, 0.1576, 0.1995



28.5554, 0.1958, 0.1856



28.5554, 0.2677, 0.1999

Triad

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



28.5554, 0.1958, 0.1856



28.5554, 0.5062, 0.3606



28.5554, 0.2427, 0.4535

Complementary

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



28.5554, 0.1958, 0.1856



52.3224, 0.4640, 0.4290

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.



28.5554, 0.3313, 0.5133



28.5554, 0.1958, 0.1856



28.5554, 0.4861, 0.4297

Square

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



28.5554, 0.1958, 0.1856



28.5554, 0.4617, 0.2950



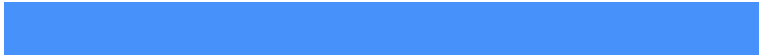
28.5554, 0.4198, 0.4920



28.5554, 0.1786, 0.3417

Rectangle

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



28.5554, 0.1958, 0.1856



28.5554, 0.3323, 0.2233



28.5554, 0.4198, 0.4920



28.5554, 0.2707, 0.4826

Sweetspot

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



28.5563, 0.1958, 0.1856



71.5926, 0.2773, 0.2932



73.4476, 0.2623, 0.4290



14.6691, 0.2727, 0.2882



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.



28.5563, 0.1958, 0.1856



22.5144, 0.1793, 0.1539



13.4216, 0.1813, 0.1036



17.8171, 0.2979, 0.3147



9.0688, 0.1693, 0.1295



1.0431, 0.1758, 0.1529

Inverse Universe

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



27.0372, 0.4545, 0.2607



24.0103, 0.4981, 0.2621



87.2630, 0.3977, 0.4943



17.3437, 0.3229, 0.3193



11.3264, 0.5333, 0.2712



1.0695, 0.5022, 0.2540

Previews

White Background



This preview shows how the Yxy color 28.5554, 0.1958, 0.1856 looks on a white background.

Color Contrast Check

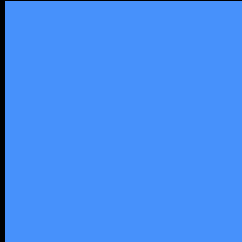
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5554, 0.1958, 0.1856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

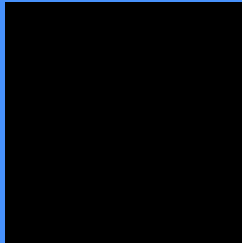
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

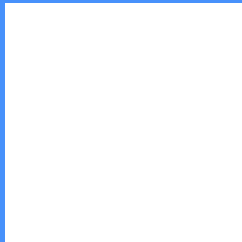
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5554, 0.1958, 0.1856

Background



This preview shows how black text looks on a background with the Yxy color 28.5554, 0.1958, 0.1856.



This preview shows how white text looks on a background with the Yxy color 28.5554, 0.1958, 0.1856.

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

28.5554, 0.1958, 0.1856

Protanopia

28.4178, 0.2074, 0.1873

Deuteranopia

28.4835, 0.1929, 0.1859



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5554, 0.1958, 0.1856

Protanomaly

28.2472, 0.2027, 0.1863

Deuteranomaly

28.6128, 0.1940, 0.1862

Tritanomaly

27.8793, 0.2062, 0.2534

Monochromacy



Original Color

28.5554, 0.1958, 0.1856

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.0843, 0.2534, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5554, 0.1958, 0.1856 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(71, 145, 251)` looks like.

```
.text, #text, p{  
    color:rgb(71, 145, 251)  
}
```

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(71, 145, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 145, 251) }
```

Border

The CSS property to change the border of an element to Yxy 28.5554, 0.1958, 0.1856 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(71, 145, 251) }
```

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

```
.border{ border-color:rgb(71, 145, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 145, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 145, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 145, 251);  
box-shadow:4px 4px 4px 4px rgb(71, 145,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5554, 0.1958, 0.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 145, 251) }
```

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

```
.background{ background-color: rgb(71, 145,  
251) }
```

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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