

Converting Colors

$Y_{xy}(27.1309, 0.1908, 0.1751)$

Have a look what the booklet for
Yxy(27.1309, 0.1908, 0.1751)
contains.

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Color

Yxy(27.0662, 0.1907, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	408CFF
RGB	64, 140, 255
RGB Percent	25%, 55%, 100%
CMY	0.7498, 0.4509, 0.0001
CMYK	0.75, 0.45, 0.00, 0.00
HSL	216°, 100%, 63%
HSV	216°, 75%, 100%
XYZ	29.5282, 27.0662, 98.2466
YIQ	130.3860, -82.2110, 19.6530

Conversions

Conversions Part 2

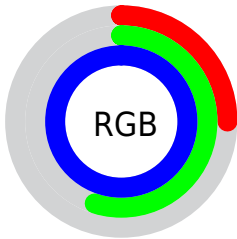
Format	Color
R _{YB}	64, 118, 255
Decimal	4230399
CIE _{Lab}	59.04, 15.21, -63.89
CIE _{LCh}	59, 65.677, 283.390
Y _{xy}	27.0662, 0.1907, 0.1748
Android (android.graphics.Color)	4282420479 (0xFF408CFF)
YUV	130.3860, 61.4347, -58.2205
Hunter-Lab	52.0252, 10.2680, -75.5481

Details

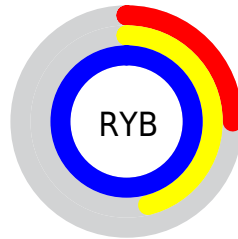
The Yxy color **27.0662, 0.1907, 0.1748** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **53.7595, 0.4691, 0.4332**, and the grayscale version is **22.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5108, 0.2362, 0.2532**, and **11.5134, 0.1735, 0.1446** is the 20% darker color. If you saturate the color by 10%, you get **22.2278, 0.1793, 0.1524**, and if you desaturate by 10%, it is **32.9203, 0.2046, 0.1983**.

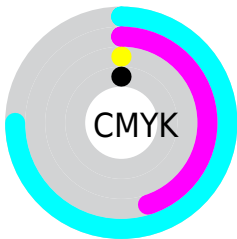
Distribution



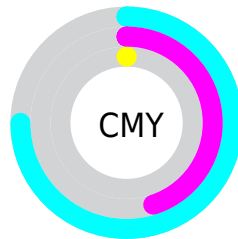
- Red (25%)
- Green (55%)
- Blue (100%)



- Red (25%)
- Yellow (46%)
- Blue (100%)



- Cyan (75%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0662, 0.1907, 0.1748 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 27.0662, 0.1907, 0.1748 by changing the saturation by 10% instead.


 27.0662, 0.1907,
0.1748


 27.0662, 0.1907,
0.1748


287.9775, 0.2524,
0.2492


 17.6229, 0.1761,
0.1581


 54.9901, 0.2127,
0.2006

 10.6796, 0.1580,
0.1380


 74.2395, 0.2212,
0.2107

 5.8518, 0.1356,
0.1138


 97.5264, 0.2284,
0.2194

 2.7552, 0.1078,
0.0851

 125.2352, 0.2345,
0.2270

 1.0053, 0.0742,
0.0526

157.7504, 0.2399,
0.2336

 0.0000, 0.0266,
0.0000

195.4562, 0.2446,

 0.0000, 0.0000,

0.2394

0.0000

238.7371, 0.2487,
0.2446

■ 27.0662, 0.1907,
0.1748

■ 27.0662, 0.1907,
0.1748

■ 22.2278, 0.1793,
0.1524

■ 32.9203, 0.2046,
0.1983

■ 18.3188, 0.1707,
0.1319

■ 39.8590, 0.2204,
0.2219

■ 16.6550, 0.1674,
0.1225

■ 47.9466, 0.2373,
0.2449

■ 57.2406, 0.2548,
0.2666

■ 67.7944, 0.2721,
0.2868

■ 79.6576, 0.2890,
0.3051

■ 92.8770, 0.3051,
0.3215

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



27.0662, 0.1479, 0.1862



27.0662, 0.1907, 0.1748



27.0662, 0.2705, 0.1923

Triad

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



27.0662, 0.1907, 0.1748



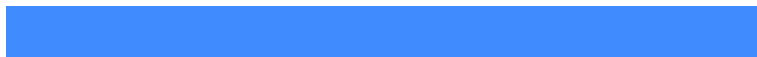
27.0662, 0.5248, 0.3653



27.0662, 0.2281, 0.4594

Complementary

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



27.0662, 0.1907, 0.1748



53.7595, 0.4691, 0.4332

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.



27.0662, 0.3223, 0.5321



27.0662, 0.1907, 0.1748



27.0662, 0.4952, 0.4399

Square

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



27.0662, 0.1907, 0.1748



27.0662, 0.4829, 0.2958



27.0662, 0.4189, 0.5092



27.0662, 0.1631, 0.3321

Rectangle

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



27.0662, 0.1907, 0.1748



27.0662, 0.3422, 0.2183



27.0662, 0.4189, 0.5092



27.0662, 0.2575, 0.4943

Sweetspot

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



27.0670, 0.1907, 0.1748



71.2037, 0.2772, 0.2924



75.8167, 0.2605, 0.4299



14.5779, 0.2726, 0.2873



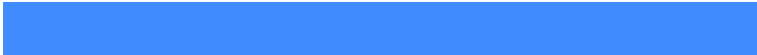
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.0670, 0.1907, 0.1748



20.1583, 0.1746, 0.1418



12.6989, 0.1776, 0.0963



18.5663, 0.2979, 0.3143



8.9773, 0.1682, 0.1255



1.0807, 0.1744, 0.1478

Inverse Universe

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



26.7934, 0.4682, 0.2625



23.2614, 0.5149, 0.2673



89.6738, 0.3972, 0.5002



18.1071, 0.3231, 0.3196



11.6342, 0.5389, 0.2742



1.1536, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 27.0662, 0.1907, 0.1748 looks on a white background.

Color Contrast Check

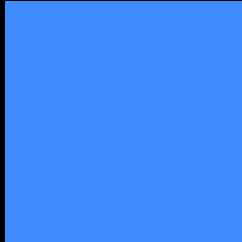
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0662, 0.1907, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

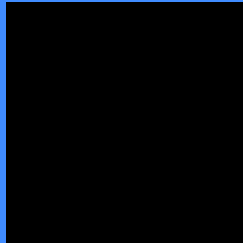
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

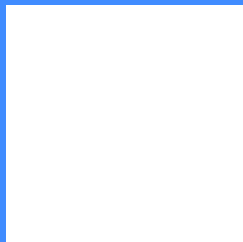
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0662, 0.1907, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 27.0662, 0.1907, 0.1748.



This preview shows how white text looks on a background with the Yxy color 27.0662, 0.1907, 0.1748.

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

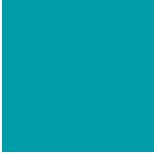
27.0662, 0.1907, 0.1748

Protanopia

26.8980, 0.1985, 0.1759

Deuteranopia

27.2214, 0.1838, 0.1781



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

27.0662, 0.1907, 0.1748

Protanomaly

26.8885, 0.1953, 0.1753

Deuteranomaly

27.1408, 0.1854, 0.1774

Tritanomaly

26.4855, 0.2043, 0.2477

Monochromacy



Original Color

27.0662, 0.1907, 0.1748

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.2095, 0.2487, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0662, 0.1907, 0.1748 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(64, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 140, 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(64, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.0662, 0.1907, 0.1748 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(64, 140, 255) }
```

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

```
.border{ border-color:rgb(64, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0662, 0.1907, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 140, 255) }
```

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

```
.background{ background-color: rgb(64, 140,  
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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