

Converting Colors

$Y_{xy}(28.0808, 0.1974, 0.1866)$

Have a look what the booklet for
Yxy(28.0808, 0.1974, 0.1866)
contains.

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Color

Yxy(28.1797, 0.1975, 0.1871)

Conversions

Conversions Part 1

Format	Color
Hex	4A90F8
RGB	74, 144, 248
RGB Percent	29%, 56%, 97%
CMY	0.7095, 0.4353, 0.0274
CMYK	0.70, 0.42, 0.00, 0.03
HSL	216°, 93%, 63%
HSV	216°, 70%, 97%
XYZ	29.7461, 28.1797, 92.6873
YIQ	134.9260, -75.1040, 17.5040

Conversions

Conversions Part 2

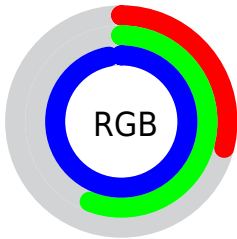
Format	Color
R _Y B	74, 124, 248
Decimal	4886776
CIE Lab	60.05, 11.66, -58.42
CIE LCh	60, 59.578, 281.290
Yxy	28.1797, 0.1975, 0.1871
Android (android.graphics.Color)	4283076856 (0xFF4A90F8)
YUV	134.9260, 55.7455, -53.4321
Hunter-Lab	53.0846, 7.1250, -66.3630

Details

The Yxy color **28.1797, 0.1975, 0.1871** 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 **52.3370, 0.4586, 0.4294**, and the grayscale version is **24.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8152, 0.2402, 0.2589**, and **11.7670, 0.1763, 0.1548** is the 20% darker color. If you saturate the color by 10%, you get **23.1799, 0.1848, 0.1642**, and if you desaturate by 10%, it is **34.1595, 0.2124, 0.2106**.

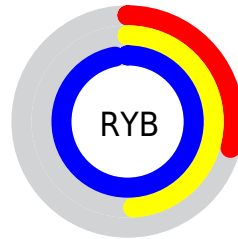
Distribution



Red (29%)

Green (56%)

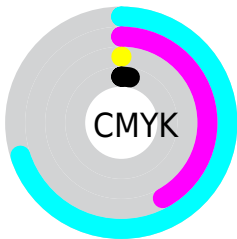
Blue (97%)



Red (29%)

Yellow (49%)

Blue (97%)

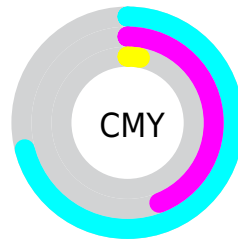


Cyan (70%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (71%)


Magenta (44%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1797, 0.1975, 0.1871 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 28.1797, 0.1975, 0.1871 by changing the saturation by 10% instead.


 28.1797, 0.1975,
0.1871


 28.1797, 0.1975,
0.1871


293.3246, 0.2559,
0.2565


 18.4612, 0.1835,
0.1711


 56.7712, 0.2185,
0.2115


 11.2816, 0.1661,
0.1517


 76.4130, 0.2265,
0.2209

 6.2566, 0.1442,
0.1278


 100.1313, 0.2332,
0.2290

 3.0017, 0.1166,
0.0987

 128.3105, 0.2391,
0.2360

 1.1326, 0.0823,
0.0644

161.3351, 0.2441,
0.2421

 0.0056, 0.0323,
0.0006

199.5893, 0.2486,

 0.0000, 0.0000,

0.2475

0.0000

243.4577, 0.2525,
0.2523

■ 28.1797, 0.1975,
0.1871

■ 28.1797, 0.1975,
0.1871

■ 23.1799, 0.1848,
0.1642

■ 34.1595, 0.2124,
0.2106

■ 19.0860, 0.1749,
0.1427

■ 41.1789, 0.2287,
0.2338

■ 15.8315, 0.1677,
0.1236

■ 49.2950, 0.2459,
0.2561

■ 58.5590, 0.2633,
0.2770

■ 69.0189, 0.2805,
0.2961

■ 80.7193, 0.2969,
0.3134

■ 93.7026, 0.3125,
0.3288

■ 99.5580, 0.3168,
0.3357

Harmonies

Analogous

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



28.1797, 0.1594, 0.2008



28.1797, 0.1975, 0.1871



28.1797, 0.2690, 0.2015

Triad

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



28.1797, 0.1975, 0.1871



28.1797, 0.5039, 0.3611



28.1797, 0.2431, 0.4509

Complementary

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



28.1797, 0.1975, 0.1871



52.3370, 0.4586, 0.4294

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.



28.1797, 0.3307, 0.5105



28.1797, 0.1975, 0.1871



28.1797, 0.4840, 0.4296

Square

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



28.1797, 0.1975, 0.1871



28.1797, 0.4602, 0.2960



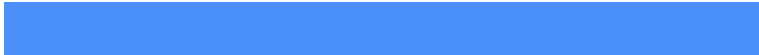
28.1797, 0.4183, 0.4906



28.1797, 0.1798, 0.3409

Rectangle

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



28.1797, 0.1975, 0.1871



28.1797, 0.3329, 0.2247



28.1797, 0.4183, 0.4906



28.1797, 0.2708, 0.4797

Sweetspot

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



28.1806, 0.1975, 0.1871



72.4609, 0.2789, 0.2945



71.7176, 0.2626, 0.4262



14.8293, 0.2742, 0.2893



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.



28.1806, 0.1975, 0.1871



22.8383, 0.1805, 0.1554



13.7898, 0.1841, 0.1081



17.7881, 0.2979, 0.3144



8.8084, 0.1685, 0.1266



1.0173, 0.1750, 0.1500

Inverse Universe

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



26.8806, 0.4520, 0.2630



24.3616, 0.4955, 0.2633



85.0484, 0.3966, 0.4918



17.3408, 0.3231, 0.3195



11.3001, 0.5374, 0.2734



1.0669, 0.5059, 0.2561

Previews

White Background



This preview shows how the Yxy color 28.1797, 0.1975, 0.1871 looks on a white background.

Color Contrast Check

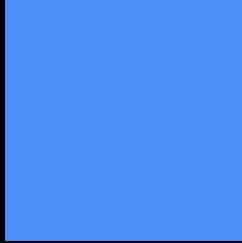
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1797, 0.1975, 0.1871 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

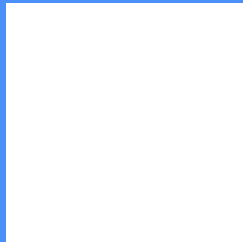
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1797, 0.1975, 0.1871

Background



This preview shows how black text looks on a background with the Yxy color 28.1797, 0.1975, 0.1871.



This preview shows how white text looks on a background with the Yxy color 28.1797, 0.1975, 0.1871.

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

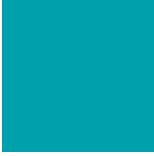
28.1797, 0.1975, 0.1871

Protanopia

28.0014, 0.2079, 0.1877

Deuteranopia

28.1181, 0.1946, 0.1875



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.1797, 0.1975, 0.1871

Protanomaly

27.8772, 0.2036, 0.1868

Deuteranomaly

28.2571, 0.1958, 0.1879

Tritanomaly

27.5143, 0.2063, 0.2531

Monochromacy



Original Color

28.1797, 0.1975, 0.1871

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.8223, 0.2547, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1797, 0.1975, 0.1871 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(74, 144, 248)` looks like.

```
.text, #text, p{  
    color:rgb(74, 144, 248)  
}
```

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(74, 144, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 144, 248) }
```

Border

The CSS property to change the border of an element to Yxy 28.1797, 0.1975, 0.1871 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(74, 144, 248) }
```

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

```
.border{ border-color:rgb(74, 144, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 144, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 144, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 144, 248);  
box-shadow:4px 4px 4px 4px rgb(74, 144,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1797, 0.1975, 0.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 144, 248) }
```

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

```
.background{ background-color: rgb(74, 144,  
248) }
```

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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