

Converting Colors

$Y_{xy}(28.0525, 0.1955, 0.1792)$

Have a look what the booklet for
Yxy(28.0525, 0.1955, 0.1792)
contains.

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Color

Yxy(28.0383, 0.1956, 0.1796)

Conversions

Conversions Part 1

Format	Color
Hex	4C8EFE
RGB	76, 142, 254
RGB Percent	30%, 56%, 100%
CMY	0.7021, 0.4431, 0.0040
CMYK	0.70, 0.44, 0.00, 0.00
HSL	218°, 99%, 65%
HSV	218°, 70%, 100%
XYZ	30.5361, 28.0383, 97.5408
YIQ	135.0340, -75.2880, 20.8400

Conversions

Conversions Part 2

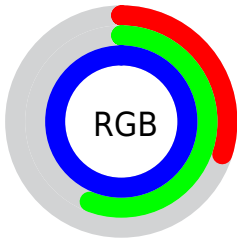
Format	Color
R _Y B	76, 124, 254
Decimal	5017342
CIE Lab	59.92, 15.19, -61.90
CIE LCh	60, 63.734, 283.791
Yxy	28.0383, 0.1956, 0.1796
Android (android.graphics.Color)	4283207422 (0xFF4C8EFE)
YUV	135.0340, 58.6502, -51.7728
Hunter-Lab	52.9512, 10.2736, -72.1516

Details

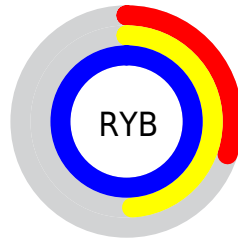
The Yxy color **28.0383, 0.1956, 0.1796** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **57.5193, 0.4541, 0.4344**, and the grayscale version is **24.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0899, 0.2408, 0.2565**, and **11.8599, 0.1744, 0.1478** is the 20% darker color. If you saturate the color by 10%, you get **22.7786, 0.1826, 0.1558**, and if you desaturate by 10%, it is **34.3911, 0.2109, 0.2042**.

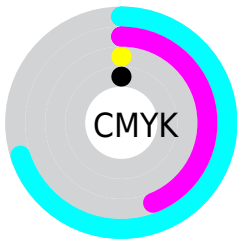
Distribution



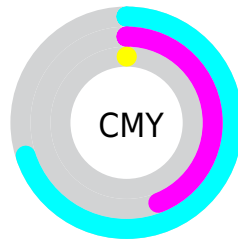
- Red (30%)
- Green (56%)
- Blue (100%)



- Red (30%)
- Yellow (49%)
- Blue (100%)



- Cyan (70%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0383, 0.1956, 0.1796 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 28.0383, 0.1956, 0.1796 by changing the saturation by 10% instead.


 28.0383, 0.1956,
0.1796


 28.0383, 0.1956,
0.1796


292.6499, 0.2549,
0.2518


 18.3545, 0.1815,
0.1633


 56.5456, 0.2168,
0.2047


 11.2048, 0.1640,
0.1436


 76.1379, 0.2249,
0.2145

 6.2048, 0.1422,
0.1198


 99.8018, 0.2318,
0.2229

 2.9700, 0.1148,
0.0912

 127.9218, 0.2377,
0.2302

 1.1161, 0.0812,
0.0583

160.8822, 0.2429,
0.2366

 0.0000, 0.0360,
0.0000

199.0674, 0.2474,

 0.0000, 0.0000,

0.2423

0.0000

242.8618, 0.2513,
0.2473

■ 28.0383, 0.1956,
0.1796

■ 28.0383, 0.1956,
0.1796

■ 22.7786, 0.1826,
0.1558

■ 34.3911, 0.2109,
0.2042

■ 18.5290, 0.1724,
0.1338

■ 41.9046, 0.2277,
0.2287

■ 15.2007, 0.1652,
0.1146

■ 50.6430, 0.2453,
0.2522

■ 60.6645, 0.2630,
0.2742

■ 72.0231, 0.2804,
0.2944

■ 84.7694, 0.2970,
0.3126

■ 98.9513, 0.3126,
0.3289

■ 99.9337, 0.3133,
0.3300

Harmonies

Analogous

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



28.0383, 0.1532, 0.1907



28.0383, 0.1956, 0.1796



28.0383, 0.2736, 0.1970

Triad

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



28.0383, 0.1956, 0.1796



28.0383, 0.5170, 0.3666



28.0383, 0.2308, 0.4518

Complementary

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



28.0383, 0.1956, 0.1796



57.5193, 0.4541, 0.4344

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.



28.0383, 0.3219, 0.5228



28.0383, 0.1956, 0.1796



28.0383, 0.4890, 0.4389

Square

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



28.0383, 0.1956, 0.1796



28.0383, 0.4770, 0.2985



28.0383, 0.4155, 0.5041



28.0383, 0.1678, 0.3311

Rectangle

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



28.0383, 0.1956, 0.1796



28.0383, 0.3429, 0.2225



28.0383, 0.4155, 0.5041



28.0383, 0.2592, 0.4852

Sweetspot

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



28.0392, 0.1956, 0.1796



71.5817, 0.2788, 0.2926



75.9323, 0.2601, 0.4180



14.6218, 0.2741, 0.2872



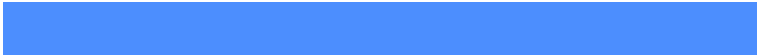
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.0392, 0.1956, 0.1796



21.1872, 0.1782, 0.1469



14.8451, 0.1872, 0.1096



18.4817, 0.2979, 0.3136



8.2743, 0.1660, 0.1176



1.0064, 0.1722, 0.1400

Inverse Universe

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



28.1827, 0.4603, 0.2684



24.1949, 0.5062, 0.2695



88.7421, 0.3925, 0.4947



18.0985, 0.3236, 0.3202



11.5633, 0.5501, 0.2804



1.1461, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 28.0383, 0.1956, 0.1796 looks on a white background.

Color Contrast Check

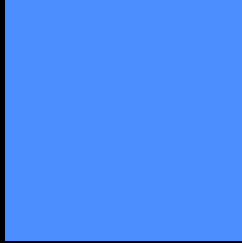
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0383, 0.1956, 0.1796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

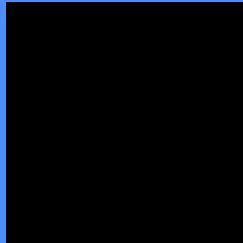
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

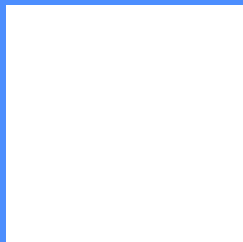
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0383, 0.1956, 0.1796

Background



This preview shows how black text looks on a background with the Yxy color 28.0383, 0.1956, 0.1796.



This preview shows how white text looks on a background with the Yxy color 28.0383, 0.1956, 0.1796.

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

28.0383, 0.1956, 0.1796

Protanopia

28.0598, 0.2020, 0.1807

Deuteranopia

28.2540, 0.1891, 0.1831



Tritanopia

27.7748, 0.2182, 0.3053

Trichromacy



Original Color

28.0383, 0.1956, 0.1796

Protanomaly

28.1200, 0.1994, 0.1803

Deuteranomaly

28.2422, 0.1914, 0.1826

Tritanomaly

27.2936, 0.2052, 0.2486

Monochromacy



Original Color

28.0383, 0.1956, 0.1796

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.9687, 0.2541, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0383, 0.1956, 0.1796 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(76, 142, 254)` looks like.

```
.text, #text, p{  
    color:rgb(76, 142, 254)  
}
```

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(76, 142, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 142, 254) }
```

Border

The CSS property to change the border of an element to Yxy 28.0383, 0.1956, 0.1796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

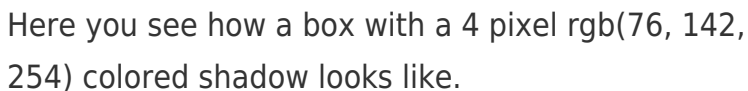
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 142, 254) }
```

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

```
.border{ border-color:rgb(76, 142, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 142, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 142, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 142, 254);  
box-shadow:4px 4px 4px 4px rgb(76, 142,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0383, 0.1956, 0.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 142, 254) }
```

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

```
.background{ background-color: rgb(76, 142,  
254) }
```

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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