

Converting Colors

$Y_{xy}(17.0182, 0.1856, 0.1267)$

Have a look what the booklet for
Yxy(17.0182, 0.1856, 0.1267)
contains.

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Color

Yxy(17.1069, 0.1859, 0.1272)

Conversions

Conversions Part 1

Format	Color
Hex	5360FA
RGB	83, 96, 250
RGB Percent	33%, 38%, 98%
CMY	0.6743, 0.6235, 0.0198
CMYK	0.67, 0.62, 0.00, 0.02
HSL	235°, 94%, 65%
HSV	235°, 67%, 98%
XYZ	25.0014, 17.1069, 92.3799
YIQ	109.6690, -57.1820, 45.1380

Conversions

Conversions Part 2

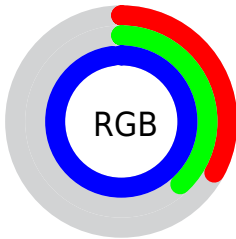
Format	Color
R _Y B	83, 95, 250
Decimal	5464314
CIE Lab	48.39, 42.80, -78.31
CIE LCh	48, 89.246, 298.659
Yxy	17.1069, 0.1859, 0.1272
Android (android.graphics.Color)	4283654394 (0xFF5360FA)
YUV	109.6690, 69.1832, -23.3887
Hunter-Lab	41.3605, 35.5178, -103.4737

Details

The Yxy color **17.1069, 0.1859, 0.1272** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **81.5026, 0.4120, 0.4713**, and the grayscale version is **15.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5715, 0.2350, 0.1978**, and **6.0870, 0.1585, 0.0905** is the 20% darker color. If you saturate the color by 10%, you get **12.5589, 0.1701, 0.1000**, and if you desaturate by 10%, it is **23.2984, 0.2049, 0.1589**.

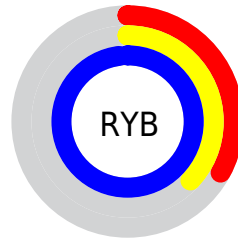
Distribution



Red (33%)

Green (38%)

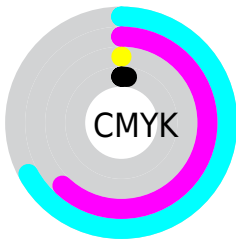
Blue (98%)



Red (33%)

Yellow (37%)

Blue (98%)

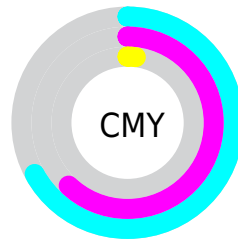


Cyan (67%)

Magenta (62%)

Yellow (0%)

Black (2%)



Cyan (67%)


Magenta (62%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1069, 0.1859, 0.1272 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 17.1069, 0.1859, 0.1272 by changing the saturation by 10% instead.


 17.1069, 0.1859,
0.1272


 17.1069, 0.1859,
0.1272


235.7877, 0.2543,
0.2219


 10.3107, 0.1690,
0.1075


 38.5095, 0.2110,
0.1590


 5.6055, 0.1481,
0.0850


 53.8847, 0.2204,
0.1718

 2.6067, 0.1222,
0.0601

 72.8884, 0.2284,
0.1829

 0.9300, 0.0908,
0.0343

 95.9049, 0.2351,
0.1927

 0.0000, 0.0555,
0.0000

123.3187, 0.2409,
0.2013

 0.0000, 0.0000,
0.0000

155.5142, 0.2460,

0.2090

192.8757, 0.2504,
0.2158

■ 17.1069, 0.1859,
0.1272

■ 17.1069, 0.1859,
0.1272

■ 12.5589, 0.1701,
0.1000

■ 23.2984, 0.2049,
0.1589

■ 9.4956, 0.1588,
0.0793

■ 31.2696, 0.2255,
0.1926

■ 7.7274, 0.1523,
0.0664

■ 41.1439, 0.2464,
0.2261

■ 7.3779, 0.1511,
0.0637

■ 53.0332, 0.2666,
0.2580

■ 67.0407, 0.2854,
0.2871

■ 83.2628, 0.3023,
0.3132

■ 99.6786, 0.3156,
0.3338

Harmonies

Analogous

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



17.1069, 0.1117, 0.1202



17.1069, 0.1859, 0.1272



17.1069, 0.3241, 0.1647

Triad

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



17.1069, 0.1859, 0.1272



17.1069, 0.5949, 0.3935



17.1069, 0.1277, 0.4300

Complementary

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



17.1069, 0.1859, 0.1272



81.5026, 0.4120, 0.4713

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.



17.1069, 0.2300, 0.6340



17.1069, 0.1859, 0.1272



17.1069, 0.4929, 0.5071

Square

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



17.1069, 0.1859, 0.1272



17.1069, 0.6153, 0.3071



17.1069, 0.3603, 0.6266



17.1069, 0.0828, 0.2354

Rectangle

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



17.1069, 0.1859, 0.1272



17.1069, 0.4456, 0.2060



17.1069, 0.3603, 0.6266



17.1069, 0.1561, 0.5115

Sweetspot

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



17.1073, 0.1859, 0.1272



65.1487, 0.2795, 0.2780



76.2360, 0.2399, 0.3458



13.0571, 0.2742, 0.2698



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.



17.1073, 0.1859, 0.1272



11.9182, 0.1658, 0.0923



19.8264, 0.2293, 0.1361



16.8593, 0.2979, 0.3064



3.9928, 0.1514, 0.0649



0.4422, 0.1544, 0.0759

Inverse Universe

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



27.3533, 0.5190, 0.3182



24.0309, 0.5784, 0.3200



78.7138, 0.3552, 0.5116



17.2471, 0.3282, 0.3272



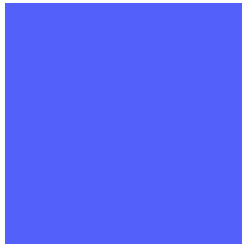
10.8140, 0.6318, 0.3254



1.0089, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 17.1069, 0.1859, 0.1272 looks on a white background.

Color Contrast Check

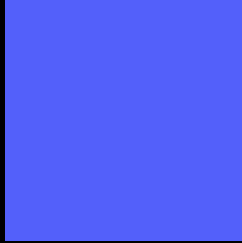
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.1069, 0.1859, 0.1272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

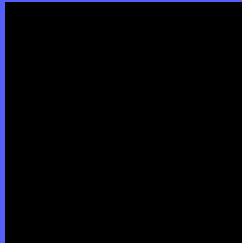
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1069, 0.1859, 0.1272

Background



This preview shows how black text looks on a background with the Yxy color 17.1069, 0.1859, 0.1272.



This preview shows how white text looks on a background with the Yxy color 17.1069, 0.1859, 0.1272.

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

17.1069, 0.1859, 0.1272

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.8927, 0.1851, 0.1863



Tritanopia

16.9563, 0.2191, 0.3087

Trichromacy



Original Color

17.1069, 0.1859, 0.1272

Protanomaly

16.6112, 0.1742, 0.1367

Deuteranomaly

16.2753, 0.1804, 0.1574

Tritanomaly

15.9411, 0.1974, 0.2138

Monochromacy



Original Color

17.1069, 0.1859, 0.1272

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3857, 0.2464, 0.2265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1069, 0.1859, 0.1272 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(83, 96, 250)` looks like.

```
.text, #text, p{  
    color:rgb(83, 96, 250)  
}
```

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(83, 96, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 96, 250) }
```

Border

The CSS property to change the border of an element to Yxy 17.1069, 0.1859, 0.1272 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(83, 96, 250) }
```

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

```
.border{ border-color:rgb(83, 96, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 96, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 96, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 96, 250);  
box-shadow:4px 4px 4px 4px rgb(83, 96,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1069, 0.1859, 0.1272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 96, 250) }
```

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

```
.background{ background-color: rgb(83, 96,  
250) }
```

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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