

Converting Colors

$Y_{xy}(12.3566, 0.1898, 0.1251)$

Have a look what the booklet for
Yxy(12.3566, 0.1898, 0.1251)
contains.

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Color

Yxy(12.3594, 0.1898, 0.1250)

Conversions

Conversions Part 1

Format	Color
Hex	504FDA
RGB	80, 79, 218
RGB Percent	31%, 31%, 85%
CMY	0.6860, 0.6903, 0.1450
CMYK	0.63, 0.64, 0.00, 0.14
HSL	240°, 65%, 58%
HSV	240°, 64%, 86%
XYZ	18.7665, 12.3594, 67.7493
YIQ	95.1450, -44.0230, 43.4410

Conversions

Conversions Part 2

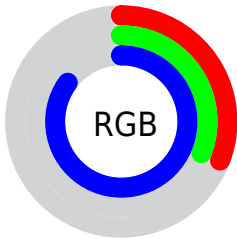
Format	Color
R _Y B	80, 79, 218
Decimal	5263322
CIE Lab	41.78, 42.09, -71.12
CIE LCh	42, 82.643, 300.619
Yxy	12.3594, 0.1898, 0.1250
Android (android.graphics.Color)	4283453402 (0xFF504FDA)
YUV	95.1450, 60.5675, -13.2822
Hunter-Lab	35.1559, 33.7618, -89.6491

Details

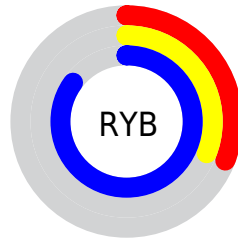
The Yxy color **12.3594, 0.1898, 0.1250** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **65.4662, 0.4001, 0.4755**, and the grayscale version is **11.3421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7602, 0.2267, 0.1752**, and **3.7527, 0.1563, 0.0827** is the 20% darker color. If you saturate the color by 10%, you get **8.9191, 0.1727, 0.0969**, and if you desaturate by 10%, it is **17.1342, 0.2099, 0.1582**.

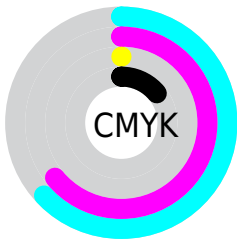
Distribution



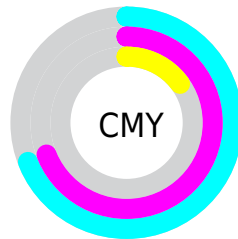
- Red (31%)
- Green (31%)
- Blue (85%)



- Red (31%)
- Yellow (31%)
- Blue (85%)



- Cyan (63%)
- Magenta (64%)
- Yellow (0%)
- Black (14%)



- Cyan (69%)
- Magenta (69%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3594, 0.1898, 0.1250 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 12.3594, 0.1898, 0.1250 by changing the saturation by 10% instead.


 12.3594, 0.1898,
0.1250


 12.3594, 0.1898,
0.1250


206.7703, 0.2599,
0.2257

 6.9889, 0.1711,
0.1030


 30.1480, 0.2166,
0.1598


 3.4552, 0.1473,
0.0778


 43.3349, 0.2263,
0.1735


 1.3737, 0.1170,
0.0499

 59.8962, 0.2344,
0.1854

 0.1972, 0.0805,
0.0125

 80.2161, 0.2412,
0.1956

 0.0000, 0.0194,
0.0000

 104.6790, 0.2470,
0.2046

 0.0000, 0.0000,
0.0000

133.6695, 0.2519,

0.2125

167.5718, 0.2562,
0.2195

■ 12.3594, 0.1898,
0.1250

■ 12.3594, 0.1898,
0.1250

■ 8.9191, 0.1727,
0.0969

■ 17.1342, 0.2099,
0.1582

■ 6.6770, 0.1601,
0.0762

■ 23.3600, 0.2313,
0.1936

■ 5.4691, 0.1527,
0.0642

■ 31.1416, 0.2525,
0.2289

■ 5.0749, 0.1502,
0.0601

■ 40.5738, 0.2726,
0.2622

■ 51.7440, 0.2909,
0.2927

■ 64.7334, 0.3071,
0.3197

■ 79.6179, 0.3213,
0.3433

■ 96.4693, 0.3335,
0.3637

■ 97.8437, 0.3345,
0.3651

Harmonies

Analogous

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



12.3594, 0.1113, 0.1159



12.3594, 0.1898, 0.1250



12.3594, 0.3355, 0.1648

Triad

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



12.3594, 0.1898, 0.1250



12.3594, 0.5991, 0.4009



12.3594, 0.1181, 0.4163

Complementary

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



12.3594, 0.1898, 0.1250



65.4662, 0.4001, 0.4755

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.



12.3594, 0.2177, 0.6376



12.3594, 0.1898, 0.1250



12.3594, 0.4846, 0.5154

Square

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



12.3594, 0.1898, 0.1250



12.3594, 0.6254, 0.3097



12.3594, 0.3517, 0.6449



12.3594, 0.0774, 0.2232

Rectangle

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



12.3594, 0.1898, 0.1250



12.3594, 0.4616, 0.2076



12.3594, 0.3517, 0.6449



12.3594, 0.1451, 0.5017

Sweetspot

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



12.3597, 0.1898, 0.1250



64.8837, 0.2813, 0.2767



56.8852, 0.2367, 0.3288



12.9329, 0.2759, 0.2677



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.



12.3597, 0.1898, 0.1250



11.2791, 0.1672, 0.0878



16.9940, 0.2458, 0.1505



12.6221, 0.2982, 0.3048



3.0415, 0.1503, 0.0601



0.1988, 0.1511, 0.0606

Inverse Universe

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



25.5045, 0.3207, 0.1849



31.4724, 0.3219, 0.1672



57.0674, 0.3457, 0.5085



13.2730, 0.3139, 0.3061



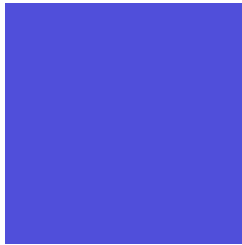
11.9096, 0.3229, 0.1552



0.7721, 0.3225, 0.1551

Previews

White Background



This preview shows how the Yxy color 12.3594, 0.1898, 0.1250 looks on a white background.

Color Contrast Check

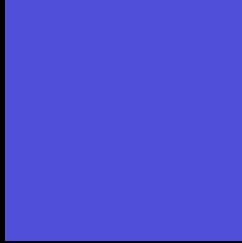
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3594, 0.1898, 0.1250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

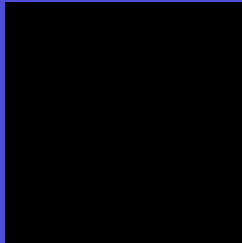
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3594, 0.1898, 0.1250

Background



This preview shows how black text looks on a background with the Yxy color 12.3594, 0.1898, 0.1250.



This preview shows how white text looks on a background with the Yxy color 12.3594, 0.1898, 0.1250.

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

12.3594, 0.1898, 0.1250

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2859, 0.1857, 0.1886



Tritanopia

12.3308, 0.2210, 0.3061

Trichromacy



Original Color

12.3594, 0.1898, 0.1250

Protanomaly

11.9110, 0.1748, 0.1357

Deuteranomaly

11.7640, 0.1813, 0.1567

Tritanomaly

11.4618, 0.2007, 0.2098

Monochromacy



Original Color

12.3594, 0.1898, 0.1250

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2119, 0.2502, 0.2240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3594, 0.1898, 0.1250 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(80, 79, 218)` looks like.

```
.text, #text, p{  
    color:rgb(80, 79, 218)  
}
```

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(80, 79, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 79, 218) }
```

Border

The CSS property to change the border of an element to Yxy 12.3594, 0.1898, 0.1250 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(80, 79, 218) }
```

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

```
.border{ border-color:rgb(80, 79, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 79, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 79, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 79, 218);  
box-shadow:4px 4px 4px 4px rgb(80, 79,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3594, 0.1898, 0.1250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 79, 218) }
```

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

```
.background{ background-color: rgb(80, 79,  
218) }
```

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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