

Converting Colors

$Y_{xy}(13.5051, 0.2016, 0.1453)$

Have a look what the booklet for
Yxy(13.5051, 0.2016, 0.1453)
contains.

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Color

Yxy(13.5591, 0.2019, 0.1458)

Conversions

Conversions Part 1

Format	Color
Hex	5858CF
RGB	88, 88, 207
RGB Percent	35%, 35%, 81%
CMY	0.6549, 0.6549, 0.1882
CMYK	0.57, 0.57, 0.00, 0.19
HSL	240°, 55%, 58%
HSV	240°, 57%, 81%
XYZ	18.7763, 13.5591, 60.6626
YIQ	101.5660, -38.1990, 37.0090

Conversions

Conversions Part 2

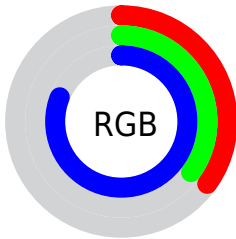
Format	Color
R_{YB}	88, 88, 207
Decimal	5789903
CIE _{Lab}	43.59, 34.33, -61.82
CIE _{LCh}	44, 70.715, 299.045
Yxy	13.5591, 0.2019, 0.1458
Android (android.graphics.Color)	4283979983 (0xFF5858CF)
YUV	101.5660, 51.9790, -11.8974
Hunter-Lab	36.8227, 26.5794, -71.8999

Details

The Yxy color **13.5591, 0.2019, 0.1458** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **58.5945, 0.3943, 0.4639**, and the grayscale version is **13.0381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6000, 0.2312, 0.1865**, and **3.9616, 0.1616, 0.0974** is the 20% darker color. If you saturate the color by 10%, you get **9.7594, 0.1828, 0.1142**, and if you desaturate by 10%, it is **18.6107, 0.2230, 0.1807**.

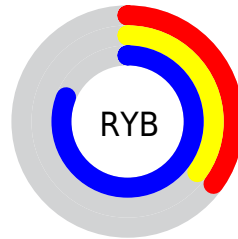
Distribution



Red (35%)

Green (35%)

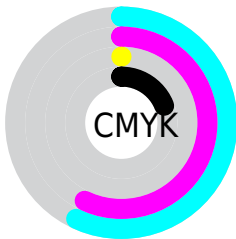
Blue (81%)



Red (35%)

Yellow (35%)

Blue (81%)

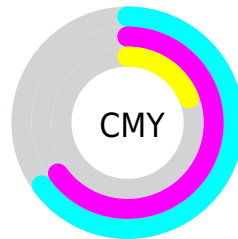


Cyan (57%)

Magenta (57%)

Yellow (0%)

Black (19%)



Cyan (65%)

Magenta (65%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5591, 0.2019, 0.1458 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 13.5591, 0.2019, 0.1458 by changing the saturation by 10% instead.

■ 13.5591, 0.2019,
0.1458

■ 13.5591, 0.2019,
0.1458

■ 214.4704, 0.2654,
0.2390

■ 7.8147, 0.1845,
0.1241

■ 32.3046, 0.2264,
0.1790

■ 3.9766, 0.1618,
0.0982

■ 46.0745, 0.2353,
0.1917

■ 1.6605, 0.1320,
0.0679

■ 63.2884, 0.2425,
0.2026

■ 0.3979, 0.0940,
0.0293

■ 84.3305, 0.2486,
0.2119

■ 0.0000, 0.0244,
0.0000

■ 109.5854, 0.2538,
0.2200

■ 0.0000, 0.0000,
0.0000

139.4375, 0.2582,

0.2271

174.2710, 0.2620,
0.2334

■ 13.5591, 0.2019,
0.1458

■ 13.5591, 0.2019,
0.1458

■ 9.7594, 0.1828,
0.1142

■ 18.6107, 0.2230,
0.1807

■ 7.1015, 0.1673,
0.0885

■ 25.0095, 0.2445,
0.2162

■ 5.4581, 0.1566,
0.0709

■ 32.8426, 0.2652,
0.2504

■ 4.6518, 0.1511,
0.0617

■ 42.1898, 0.2842,
0.2819

■ 4.5057, 0.1500,
0.0600

■ 53.1247, 0.3013,
0.3101

■ 65.7164, 0.3163,
0.3349

■ 80.0297, 0.3293,
0.3564

■ 96.1261, 0.3405,
0.3749

■ 97.2853, 0.3412,
0.3760

Harmonies

Analogous

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



13.5591, 0.1306, 0.1394



13.5591, 0.2019, 0.1458



13.5591, 0.3265, 0.1819

Triad

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



13.5591, 0.2019, 0.1458



13.5591, 0.5681, 0.4018



13.5591, 0.1499, 0.4143

Complementary

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



13.5591, 0.2019, 0.1458



58.5945, 0.3943, 0.4639

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.



13.5591, 0.2467, 0.5823



13.5591, 0.2019, 0.1458



13.5591, 0.4851, 0.5034

Square

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



13.5591, 0.2019, 0.1458



13.5591, 0.5787, 0.3188



13.5591, 0.3664, 0.5928



13.5591, 0.1040, 0.2499

Rectangle

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



13.5591, 0.2019, 0.1458



13.5591, 0.4308, 0.2211



13.5591, 0.3664, 0.5928



13.5591, 0.1772, 0.4798

Sweetspot

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



13.5595, 0.2019, 0.1458



68.0791, 0.2847, 0.2828



51.1118, 0.2424, 0.3316



13.8733, 0.2810, 0.2766



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.



13.5595, 0.2019, 0.1458



14.4857, 0.1788, 0.1075



17.5502, 0.2523, 0.1670



11.4179, 0.2982, 0.3050



2.8387, 0.1500, 0.0600



0.1588, 0.1500, 0.0600

Inverse Universe

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



20.9491, 0.4874, 0.3295



27.4246, 0.5464, 0.3297



51.7681, 0.3461, 0.4901



11.8083, 0.3291, 0.3290



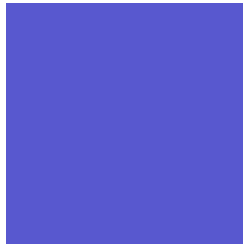
8.3578, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 13.5591, 0.2019, 0.1458 looks on a white background.

Color Contrast Check

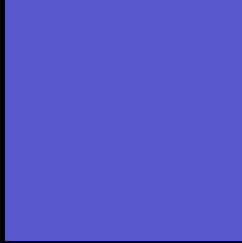
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5591, 0.2019, 0.1458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

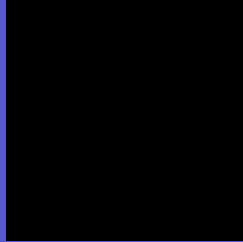
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5591, 0.2019, 0.1458

Background



This preview shows how black text looks on a background with the Yxy color 13.5591, 0.2019, 0.1458.



This preview shows how white text looks on a background with the Yxy color 13.5591, 0.2019, 0.1458.

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

13.5591, 0.2019, 0.1458

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.4805, 0.1846, 0.1844



Tritanopia

13.4818, 0.2405, 0.3075

Trichromacy



Original Color

13.5591, 0.2019, 0.1458

Protanomaly

13.0949, 0.1774, 0.1434

Deuteranomaly

12.9923, 0.1842, 0.1655

Tritanomaly

13.1257, 0.2222, 0.2284

Monochromacy



Original Color

13.5591, 0.2019, 0.1458

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9842, 0.2605, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5591, 0.2019, 0.1458 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(88, 88, 207)` looks like.

```
.text, #text, p{  
    color:rgb(88, 88, 207)  
}
```

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(88, 88, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 88, 207) }
```

Border

The CSS property to change the border of an element to Yxy 13.5591, 0.2019, 0.1458 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(88, 88, 207) }
```

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

```
.border{ border-color:rgb(88, 88, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 88, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 88, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 88, 207);  
box-shadow:4px 4px 4px 4px rgb(88, 88,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5591, 0.2019, 0.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 88, 207) }
```

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

```
.background{ background-color: rgb(88, 88,  
207) }
```

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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