

Converting Colors

$Y_{xy}(11.4752, 0.2187, 0.1807)$

Have a look what the booklet for
Yxy(11.4752, 0.2187, 0.1807)
contains.

Yxy(11.5633, 0.2194, 0.1819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.5633, 0.2194, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	5258A7
RGB	82, 88, 167
RGB Percent	32%, 35%, 65%
CMY	0.6783, 0.6549, 0.3451
CMYK	0.51, 0.47, 0.00, 0.35
HSL	236°, 34%, 49%
HSV	236°, 51%, 65%
XYZ	13.9472, 11.5633, 38.0591
YIQ	95.2120, -28.9350, 23.2970

Conversions

Conversions Part 2

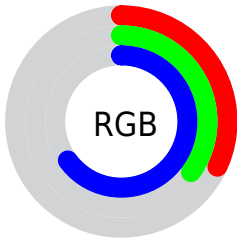
Format	Color
R _Y B	82, 88, 167
Decimal	5396647
CIE Lab	40.51, 20.13, -43.45
CIE LCh	41, 47.885, 294.863
Yxy	11.5633, 0.2194, 0.1819
Android (android.graphics.Color)	4283586727 (0xFF5258A7)
YUV	95.2120, 35.3915, -11.5869
Hunter-Lab	34.0049, 13.7036, -42.5555

Details

The Yxy color **11.5633, 0.2194, 0.1819** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **34.3351, 0.3895, 0.4426**, and the grayscale version is **11.4175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8230, 0.2420, 0.2132**, and **3.1132, 0.1790, 0.1317** is the 20% darker color. If you saturate the color by 10%, you get **8.6200, 0.1995, 0.1492**, and if you desaturate by 10%, it is **15.2328, 0.2399, 0.2150**.

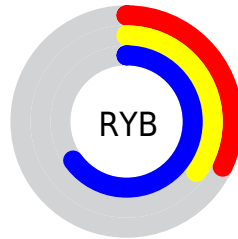
Distribution



Red (32%)

Green (35%)

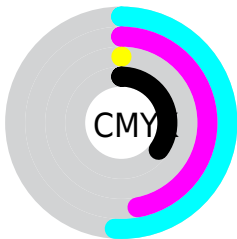
Blue (65%)



Red (32%)

Yellow (35%)

Blue (65%)

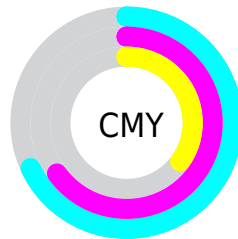


Cyan (51%)

Magenta (47%)

Yellow (0%)

Black (35%)



Cyan (68%)

Magenta (65%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5633, 0.2194, 0.1819 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 11.5633, 0.2194, 0.1819 by changing the saturation by 10% instead.

■ 11.5633, 0.2194,
0.1819

■ 11.5633, 0.2194,
0.1819

■ 201.4924, 0.2750,
0.2634

■ 6.4471, 0.2024,
0.1598

■ 28.6972, 0.2419,
0.2131

■ 3.1188, 0.1790,
0.1312

■ 41.4837, 0.2497,
0.2244

■ 1.1941, 0.1455,
0.0941

■ 57.5957, 0.2560,
0.2337

■ 0.0568, 0.0963,
0.0100

■ 77.4176, 0.2611,
0.2415

■ 0.0000, 0.0000,
0.0000

■ 101.3338, 0.2655,
0.2482

129.7288, 0.2691,

0.2540

162.9868, 0.2723,
0.2590

■ 11.5633, 0.2194,
0.1819

■ 11.5633, 0.2194,
0.1819

■ 8.6200, 0.1995,
0.1492

■ 15.2328, 0.2399,
0.2150

■ 6.3534, 0.1816,
0.1192

■ 19.6711, 0.2600,
0.2470

■ 4.7098, 0.1671,
0.0940

■ 24.9189, 0.2788,
0.2766

■ 3.6267, 0.1570,
0.0755

■ 31.0140, 0.2960,
0.3034

■ 3.0459, 0.1514,
0.0649

■ 37.9913, 0.3115,
0.3271

■ 45.8842, 0.3251,
0.3478

■ 54.7240, 0.3370,
0.3658

■ 64.5408, 0.3474,
0.3813

■ 75.3632, 0.3564,
0.3947

Harmonies

Analogous

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



11.5633, 0.1639, 0.1818



11.5633, 0.2194, 0.1819



11.5633, 0.3106, 0.2090

Triad

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



11.5633, 0.2194, 0.1819



11.5633, 0.5153, 0.3931



11.5633, 0.2021, 0.4089

Complementary

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



11.5633, 0.2194, 0.1819



34.3351, 0.3895, 0.4426

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.



11.5633, 0.2861, 0.5093



11.5633, 0.2194, 0.1819



11.5633, 0.4666, 0.4659

Square

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



11.5633, 0.2194, 0.1819



11.5633, 0.5018, 0.3227



11.5633, 0.3824, 0.5211



11.5633, 0.1533, 0.2907

Rectangle

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



11.5633, 0.2194, 0.1819



11.5633, 0.3843, 0.2401



11.5633, 0.3824, 0.5211



11.5633, 0.2270, 0.4491

Sweetspot

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



11.5637, 0.2194, 0.1819



50.5516, 0.2887, 0.2920



31.9710, 0.2521, 0.3410



10.8203, 0.2852, 0.2865



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



11.5637, 0.2194, 0.1819



14.8750, 0.1972, 0.1454



12.6433, 0.2553, 0.1856



7.3818, 0.2986, 0.3073



2.3599, 0.1516, 0.0656



0.0830, 0.1585, 0.0904

Inverse Universe

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



14.9611, 0.4436, 0.3203



21.9415, 0.4915, 0.3194



33.1233, 0.3493, 0.4665



7.5505, 0.3275, 0.3275



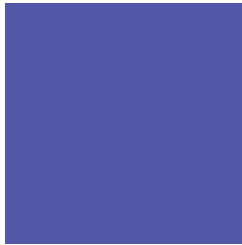
6.3093, 0.6305, 0.3247



0.1561, 0.5905, 0.3027

Previews

White Background



This preview shows how the Yxy color 11.5633, 0.2194, 0.1819 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 11.5633, 0.2194, 0.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

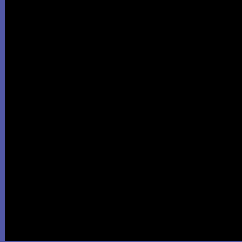
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5633, 0.2194, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 11.5633, 0.2194, 0.1819.



This preview shows how white text looks on a background with the Yxy color 11.5633, 0.2194, 0.1819.

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

11.5633, 0.2194, 0.1819

Protanopia

11.6771, 0.1998, 0.1788

Deuteranopia

11.5335, 0.1956, 0.1904



Tritanopia

11.5231, 0.2550, 0.3067

Trichromacy



Original Color

11.5633, 0.2194, 0.1819

Protanomaly

11.5427, 0.2058, 0.1794

Deuteranomaly

11.3941, 0.2015, 0.1856

Tritanomaly

11.3440, 0.2401, 0.2504

Monochromacy



Original Color

11.5633, 0.2194, 0.1819

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2084, 0.2714, 0.2647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5633, 0.2194, 0.1819 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(82, 88, 167)` looks like.

```
.text, #text, p{  
    color:rgb(82, 88, 167)  
}
```

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(82, 88, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 88, 167) }
```

Border

The CSS property to change the border of an element to Yxy 11.5633, 0.2194, 0.1819 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(82, 88, 167) }
```

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

```
.border{ border-color:rgb(82, 88, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 88, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 88, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 88, 167);  
box-shadow:4px 4px 4px 4px rgb(82, 88,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5633, 0.2194, 0.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 88, 167) }
```

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

```
.background{ background-color: rgb(82, 88,  
167) }
```

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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