

Converting Colors

$Y_{xy}(10.9923, 0.1754, 0.1105)$

Have a look what the booklet for
Yxy(10.9923, 0.1754, 0.1105)
contains.

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Color

Yxy(10.9923, 0.1754, 0.1105)

Conversions

Conversions Part 1

Format	Color
Hex	3A49DF
RGB	58, 73, 223
RGB Percent	23%, 29%, 87%
CMY	0.7727, 0.7137, 0.1254
CMYK	0.74, 0.67, 0.00, 0.13
HSL	235°, 72%, 55%
HSV	235°, 74%, 87%
XYZ	17.4484, 10.9923, 71.0371
YIQ	85.6150, -57.0900, 43.4700

Conversions

Conversions Part 2

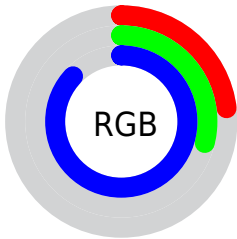
Format	Color
R_{YB}	58, 72, 223
Decimal	3819999
CIE _{Lab}	39.57, 44.65, -77.66
CIE _{LCh}	40, 89.579, 299.899
Yxy	10.9923, 0.1754, 0.1105
Android (android.graphics.Color)	4282010079 (0xFF3A49DF)
YUV	85.6150, 67.7308, -24.2184
Hunter-Lab	33.1546, 35.9192, -103.8265

Details

The Yxy color **10.9923, 0.1754, 0.1105** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **61.1139, 0.4206, 0.4781**, and the grayscale version is **9.0823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7283, 0.2154, 0.1634**, and **3.6319, 0.1547, 0.0767** is the 20% darker color. If you saturate the color by 10%, you get **8.2195, 0.1625, 0.0873**, and if you desaturate by 10%, it is **14.9227, 0.1922, 0.1393**.

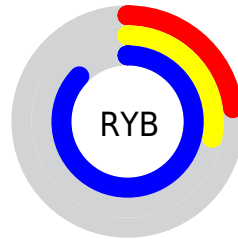
Distribution



Red (23%)

Green (29%)

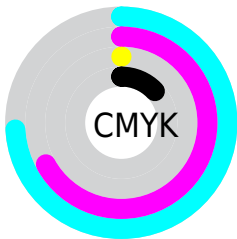
Blue (87%)



Red (23%)

Yellow (28%)

Blue (87%)

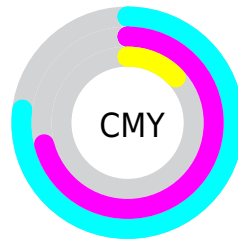


Cyan (74%)

Magenta (67%)

Yellow (0%)

Black (13%)



Cyan (77%)

Magenta (71%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9923, 0.1754, 0.1105 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 10.9923, 0.1754, 0.1105 by changing the saturation by 10% instead.


 10.9923, 0.1754,
0.1105


 10.9923, 0.1754,
0.1105


197.6147, 0.2533,
0.2168


 6.0617, 0.1553,
0.0884


 27.6459, 0.2048,
0.1465


 2.8826, 0.1302,
0.0636

 40.1377, 0.2156,
0.1610

 1.0708, 0.0993,
0.0376

 55.9187, 0.2246,
0.1735

 0.0000, 0.0640,
0.0000

 75.3732, 0.2322,
0.1845

 0.0000, 0.0000,
0.0000

 98.8856, 0.2387,
0.1941

126.8404, 0.2442,

0.2026

159.6220, 0.2490,
0.2101

■ 10.9923, 0.1754,
0.1105

■ 10.9923, 0.1754,
0.1105

■ 8.2195, 0.1625,
0.0873

■ 14.9227, 0.1922,
0.1393

■ 6.4752, 0.1544,
0.0713

■ 20.1194, 0.2116,
0.1714

■ 5.8405, 0.1514,
0.0651

■ 26.6792, 0.2322,
0.2047

■ 34.6894, 0.2527,
0.2372

■ 44.2299, 0.2723,
0.2677

■ 55.3746, 0.2904,
0.2954

■ 68.1928, 0.3067,
0.3200

■ 82.7497, 0.3212,
0.3416

■ 98.1095, 0.3315,
0.3601

Harmonies

Analogous

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



10.9923, 0.0964, 0.1017



10.9923, 0.1754, 0.1105



10.9923, 0.3312, 0.1503

Triad

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



10.9923, 0.1754, 0.1105



10.9923, 0.6142, 0.3858



10.9923, 0.1006, 0.4317

Complementary

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



10.9923, 0.1754, 0.1105



61.1139, 0.4206, 0.4781

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.



10.9923, 0.2019, 0.6862



10.9923, 0.1754, 0.1105



10.9923, 0.4878, 0.5122

Square

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



10.9923, 0.1754, 0.1105



10.9923, 0.6544, 0.2965



10.9923, 0.3385, 0.6615



10.9923, 0.0621, 0.2117

Rectangle

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



10.9923, 0.1754, 0.1105



10.9923, 0.4726, 0.1941



10.9923, 0.3385, 0.6615



10.9923, 0.1278, 0.5331

Sweetspot

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



10.9925, 0.1754, 0.1105



62.5373, 0.2758, 0.2730



58.1735, 0.2379, 0.3517



12.5611, 0.2706, 0.2651



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.



10.9925, 0.1754, 0.1105



9.6399, 0.1573, 0.0773



12.6372, 0.2167, 0.1183



13.4429, 0.2981, 0.3070



3.5037, 0.1518, 0.0663



0.3129, 0.1564, 0.0828

Inverse Universe

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



19.1972, 0.5470, 0.3167



22.3122, 0.6075, 0.3212



60.2670, 0.3577, 0.5250



13.7207, 0.3278, 0.3269



9.2617, 0.6294, 0.3241



0.6490, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 10.9923, 0.1754, 0.1105 looks on a white background.

Color Contrast Check

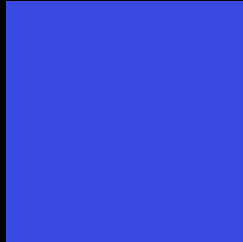
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9923, 0.1754, 0.1105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

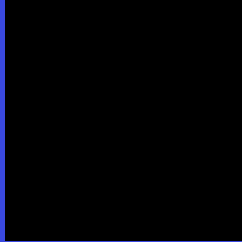
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9923, 0.1754, 0.1105

Background



This preview shows how black text looks on a background with the Yxy color 10.9923, 0.1754, 0.1105.



This preview shows how white text looks on a background with the Yxy color 10.9923, 0.1754, 0.1105.

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

10.9923, 0.1754, 0.1105

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.7576, 0.1862, 0.1903



Tritanopia

10.8046, 0.2202, 0.3126

Trichromacy



Original Color

10.9923, 0.1754, 0.1105

Protanomaly

10.5630, 0.1720, 0.1303

Deuteranomaly

10.4365, 0.1779, 0.1501

Tritanomaly

10.0157, 0.1931, 0.2006

Monochromacy



Original Color

10.9923, 0.1754, 0.1105

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.1989, 0.2351, 0.2087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9923, 0.1754, 0.1105 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(58, 73, 223)` looks like.

```
.text, #text, p{  
    color:rgb(58, 73, 223)  
}
```

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(58, 73, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 73, 223) }
```

Border

The CSS property to change the border of an element to Yxy 10.9923, 0.1754, 0.1105 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(58, 73, 223) }
```

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

```
.border{ border-color:rgb(58, 73, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 73, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 73, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 73, 223);  
box-shadow:4px 4px 4px 4px rgb(58, 73,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9923, 0.1754, 0.1105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 73, 223) }
```

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

```
.background{ background-color: rgb(58, 73,  
223) }
```

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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