

Converting Colors

$Yxy(11.5370, 0.1823, 0.1233)$

Have a look what the booklet for
Yxy(11.5370, 0.1823, 0.1233)
contains.

Yxy(11.5370, 0.1823, 0.1233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.5370, 0.1823, 0.1233)

Conversions

Conversions Part 1

Format	Color
Hex	404FD6
RGB	64, 79, 214
RGB Percent	25%, 31%, 84%
CMY	0.7485, 0.6904, 0.1606
CMYK	0.70, 0.63, 0.00, 0.16
HSL	234°, 65%, 55%
HSV	234°, 70%, 84%
XYZ	17.0575, 11.5370, 64.9740
YIQ	89.9050, -52.2750, 38.8050

Conversions

Conversions Part 2

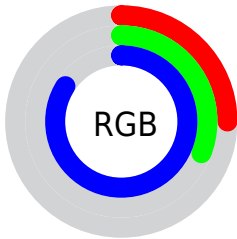
Format	Color
R _Y B	64, 78, 214
Decimal	4214742
CIE Lab	40.47, 38.62, -71.02
CIE LCh	40, 80.840, 298.540
Yxy	11.5370, 0.1823, 0.1233
Android (android.graphics.Color)	4282404822 (0xFF404FD6)
YUV	89.9050, 61.1788, -22.7187
Hunter-Lab	33.9662, 30.2005, -89.6397

Details

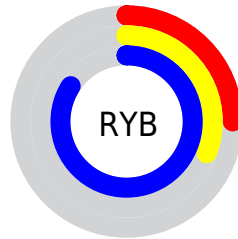
The Yxy color **11.5370, 0.1823, 0.1233** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **55.6146, 0.4173, 0.4722**, and the grayscale version is **10.0754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4042, 0.2180, 0.1708**, and **3.6707, 0.1570, 0.0851** is the 20% darker color. If you saturate the color by 10%, you get **8.5623, 0.1677, 0.0975**, and if you desaturate by 10%, it is **15.5944, 0.2003, 0.1536**.

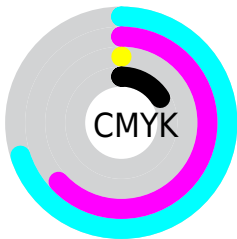
Distribution



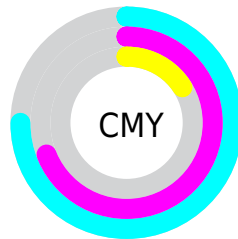
- Red (25%)
- Green (31%)
- Blue (84%)



- Red (25%)
- Yellow (31%)
- Blue (84%)



- Cyan (70%)
- Magenta (63%)
- Yellow (0%)
- Black (16%)



- Cyan (75%)
- Magenta (69%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5370, 0.1823, 0.1233 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 11.5370, 0.1823, 0.1233 by changing the saturation by 10% instead.

■ 11.5370, 0.1823,
0.1233

■ 11.5370, 0.1823,
0.1233

201.3155, 0.2566,
0.2260

■ 6.4293, 0.1626,
0.1008

■ 28.6490, 0.2106,
0.1589

■ 3.1078, 0.1376,
0.0749

■ 41.4220, 0.2210,
0.1730

■ 1.1883, 0.1062,
0.0466

■ 57.5189, 0.2296,
0.1850

■ 0.0521, 0.0694,
0.0036

■ 77.3241, 0.2368,
0.1955

■ 0.0000, 0.0000,
0.0000

■ 101.2220, 0.2429,
0.2046

129.5969, 0.2481,

0.2126

162.8333, 0.2527,
0.2197

■ 11.5370, 0.1823,
0.1233

■ 11.5370, 0.1823,
0.1233

■ 8.5623, 0.1677,
0.0975

■ 15.5944, 0.2003,
0.1536

■ 6.5639, 0.1575,
0.0781

■ 20.8251, 0.2202,
0.1862

■ 5.4003, 0.1517,
0.0660

■ 27.3113, 0.2408,
0.2191

■ 35.1275, 0.2609,
0.2505

■ 44.3421, 0.2798,
0.2796

■ 55.0190, 0.2971,
0.3058

■ 67.2182, 0.3127,
0.3289

■ 80.9962, 0.3264,
0.3491

■ 96.0716, 0.3373,
0.3667

Harmonies

Analogous

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



11.5370, 0.1077, 0.1163



11.5370, 0.1823, 0.1233



11.5370, 0.3232, 0.1609

Triad

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



11.5370, 0.1823, 0.1233



11.5370, 0.6044, 0.3937



11.5370, 0.1229, 0.4339

Complementary

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



11.5370, 0.1823, 0.1233



55.6146, 0.4173, 0.4722

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.



11.5370, 0.2260, 0.6460



11.5370, 0.1823, 0.1233



11.5370, 0.4936, 0.5064

Square

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



11.5370, 0.1823, 0.1233



11.5370, 0.6231, 0.3042



11.5370, 0.3614, 0.6386



11.5370, 0.0784, 0.2323

Rectangle

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



11.5370, 0.1823, 0.1233



11.5370, 0.4485, 0.2026



11.5370, 0.3614, 0.6386



11.5370, 0.1515, 0.5193

Sweetspot

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



11.5373, 0.1823, 0.1233



64.2046, 0.2777, 0.2764



53.3343, 0.2397, 0.3503



12.8939, 0.2725, 0.2684



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.



11.5373, 0.1823, 0.1233



11.1326, 0.1622, 0.0873



12.8293, 0.2229, 0.1282



12.2044, 0.2981, 0.3073



3.3327, 0.1520, 0.0672



0.2701, 0.1575, 0.0870

Inverse Universe

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



18.5468, 0.5264, 0.3150



23.1799, 0.5889, 0.3182



55.3632, 0.3574, 0.5163



12.4406, 0.3276, 0.3267



8.6813, 0.6279, 0.3232



0.5306, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 11.5370, 0.1823, 0.1233 looks on a white background.

Color Contrast Check

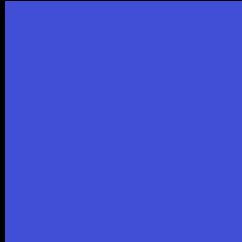
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5370, 0.1823, 0.1233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

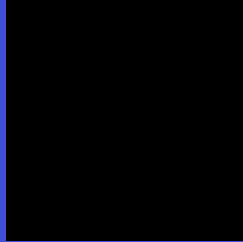
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5370, 0.1823, 0.1233

Background



This preview shows how black text looks on a background with the Yxy color 11.5370, 0.1823, 0.1233.



This preview shows how white text looks on a background with the Yxy color 11.5370, 0.1823, 0.1233.

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

11.5370, 0.1823, 0.1233

Protanopia

11.3324, 0.1744, 0.1479

Deuteranopia

11.3026, 0.1856, 0.1880



Tritanopia

11.2954, 0.2188, 0.3077

Trichromacy



Original Color

11.5370, 0.1823, 0.1233

Protanomaly

11.2156, 0.1740, 0.1365

Deuteranomaly

10.9134, 0.1801, 0.1565

Tritanomaly

10.7499, 0.1962, 0.2100

Monochromacy



Original Color

11.5370, 0.1823, 0.1233

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1542, 0.2436, 0.2229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5370, 0.1823, 0.1233 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(64, 79, 214)` looks like.

```
.text, #text, p{  
    color:rgb(64, 79, 214)  
}
```

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(64, 79, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 79, 214) }
```

Border

The CSS property to change the border of an element to Yxy 11.5370, 0.1823, 0.1233 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(64, 79, 214) }
```

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

```
.border{ border-color:rgb(64, 79, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 79, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 79, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 79, 214);  
box-shadow:4px 4px 4px 4px rgb(64, 79,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5370, 0.1823, 0.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 79, 214) }
```

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

```
.background{ background-color: rgb(64, 79,  
214) }
```

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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