

Converting Colors

$Y_{xy}(11.8399, 0.2004, 0.1232)$

Have a look what the booklet for
Yxy(11.8399, 0.2004, 0.1232)
contains.

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Color

Yxy(11.8483, 0.2002, 0.1235)

Conversions

Conversions Part 1

Format	Color
Hex	6047D6
RGB	96, 71, 214
RGB Percent	38%, 28%, 84%
CMY	0.6238, 0.7214, 0.1608
CMYK	0.55, 0.67, 0.00, 0.16
HSL	250°, 64%, 56%
HSV	250°, 67%, 84%
XYZ	19.2067, 11.8483, 64.8826
YIQ	94.7770, -31.0030, 49.7730

Conversions

Conversions Part 2

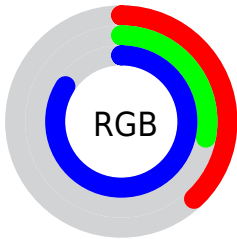
Format	Color
R_{YB}	96, 71, 214
Decimal	6309846
CIE _{Lab}	40.97, 47.83, -70.07
CIE _{LCh}	41, 84.839, 304.319
Yxy	11.8483, 0.2002, 0.1235
Android (android.graphics.Color)	4284499926 (0xFF6047D6)
YUV	94.7770, 58.7769, 1.0726
Hunter-Lab	34.4214, 39.3635, -87.6639

Details

The Yxy color **11.8483, 0.2002, 0.1235** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **59.3729, 0.3832, 0.4925**, and the grayscale version is **11.2504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9627, 0.2346, 0.1700**, and **3.2301, 0.1588, 0.0758** is the 20% darker color. If you saturate the color by 10%, you get **8.7353, 0.1833, 0.0975**, and if you desaturate by 10%, it is **16.1354, 0.2189, 0.1543**.

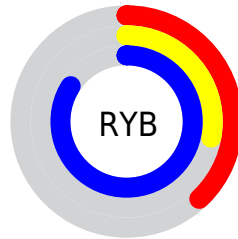
Distribution



Red (38%)

Green (28%)

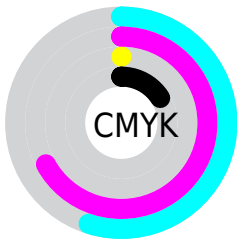
Blue (84%)



Red (38%)

Yellow (28%)

Blue (84%)

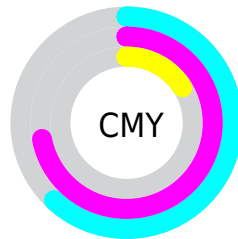


Cyan (55%)

Magenta (67%)

Yellow (0%)

Black (16%)



Cyan (62%)

Magenta (72%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8483, 0.2002, 0.1235 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 11.8483, 0.2002, 0.1235 by changing the saturation by 10% instead.

■ 11.8483, 0.2002,
0.1235

■ 11.8483, 0.2002,
0.1235

■ 203.3984, 0.2659,
0.2249

■ 6.6405, 0.1821,
0.1014

■ 29.2185, 0.2257,
0.1585

■ 3.2383, 0.1587,
0.0760

■ 42.1497, 0.2349,
0.1723

■ 1.2574, 0.1283,
0.0480

■ 58.4241, 0.2424,
0.1843

■ 0.1078, 0.0910,
0.0073

■ 78.4261, 0.2487,
0.1946

■ 0.0000, 0.0281,
0.0000

■ 102.5402, 0.2540,
0.2036

■ 0.0000, 0.0000,
0.0000

131.1506, 0.2585,

0.2116

164.6419, 0.2625,
0.2186

■ 11.8483, 0.2002,
0.1235

■ 11.8483, 0.2002,
0.1235

■ 8.7353, 0.1833,
0.0975

■ 16.1354, 0.2189,
0.1543

■ 6.6751, 0.1695,
0.0783

■ 21.6993, 0.2382,
0.1877

■ 5.5144, 0.1597,
0.0667

■ 28.6326, 0.2570,
0.2216

■ 5.2522, 0.1572,
0.0640

■ 37.0188, 0.2745,
0.2542

■ 46.9348, 0.2903,
0.2845

■ 58.4519, 0.3043,
0.3120

■ 71.6370, 0.3164,
0.3365

■ 86.5532, 0.3268,
0.3581

■ 97.6316, 0.3370,
0.3691

Harmonies

Analogous

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



11.8483, 0.1135, 0.1105



11.8483, 0.2002, 0.1235



11.8483, 0.3591, 0.1675

Triad

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



11.8483, 0.2002, 0.1235



11.8483, 0.5909, 0.4091



11.8483, 0.1036, 0.3871

Complementary

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



11.8483, 0.2002, 0.1235



59.3729, 0.3832, 0.4925

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.



11.8483, 0.1968, 0.6340



11.8483, 0.2002, 0.1235



11.8483, 0.4676, 0.5324

Square

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



11.8483, 0.2002, 0.1235



11.8483, 0.6376, 0.3159



11.8483, 0.3309, 0.6668



11.8483, 0.0704, 0.2030

Rectangle

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



11.8483, 0.2002, 0.1235



11.8483, 0.4908, 0.2128



11.8483, 0.3309, 0.6668



11.8483, 0.1278, 0.4759

Sweetspot

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



11.8486, 0.2002, 0.1235



64.5336, 0.2852, 0.2745



43.0921, 0.2266, 0.2942



12.9143, 0.2807, 0.2659



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.



11.8486, 0.2002, 0.1235



11.5904, 0.1774, 0.0889



17.5094, 0.2669, 0.1548



12.1116, 0.3008, 0.3051



3.2067, 0.1581, 0.0645



0.2257, 0.1734, 0.0729

Inverse Universe

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



22.4841, 0.3494, 0.2005



28.7679, 0.3588, 0.1868



52.4410, 0.3289, 0.5268



12.5939, 0.3164, 0.3100



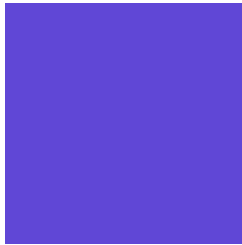
10.5674, 0.3702, 0.1813



0.6474, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 11.8483, 0.2002, 0.1235 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 11.8483, 0.2002, 0.1235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

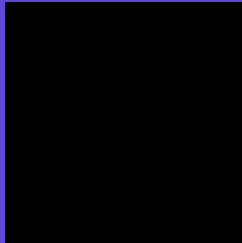
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8483, 0.2002, 0.1235

Background



This preview shows how black text looks on a background with the Yxy color 11.8483, 0.2002, 0.1235.



This preview shows how white text looks on a background with the Yxy color 11.8483, 0.2002, 0.1235.

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

11.8483, 0.2002, 0.1235

Protanopia

11.8142, 0.1746, 0.1487

Deuteranopia

11.7883, 0.1856, 0.1883



Tritanopia

11.7780, 0.2499, 0.3090

Trichromacy



Original Color

11.8483, 0.2002, 0.1235

Protanomaly

11.1661, 0.1757, 0.1333

Deuteranomaly

11.0049, 0.1825, 0.1542

Tritanomaly

10.9980, 0.2249, 0.2104

Monochromacy



Original Color

11.8483, 0.2002, 0.1235

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9235, 0.2576, 0.2227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8483, 0.2002, 0.1235 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 $rgb(96, 71, 214)$ looks like.

```
.text, #text, p{  
    color:rgb(96, 71, 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(96, 71, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 71, 214) }
```

Border

The CSS property to change the border of an element to Yxy 11.8483, 0.2002, 0.1235 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(96, 71, 214) }
```

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

```
.border{ border-color:rgb(96, 71, 214) }
```

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

Here you see how a box with a 4 pixel rgb(96, 71, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 71, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 71, 214);  
box-shadow:4px 4px 4px 4px rgb(96, 71,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8483, 0.2002, 0.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 71, 214) }
```

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

```
.background{ background-color: rgb(96, 71,  
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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