

Converting Colors

$Y_{xy}(11.7390, 0.2071, 0.1301)$

Have a look what the booklet for
Yxy(11.7390, 0.2071, 0.1301)
contains.

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Color

Yxy(11.8003, 0.2075, 0.1308)

Conversions

Conversions Part 1

Format	Color
Hex	6448CE
RGB	100, 72, 206
RGB Percent	39%, 28%, 81%
CMY	0.6076, 0.7178, 0.1921
CMYK	0.51, 0.65, 0.00, 0.19
HSL	253°, 58%, 55%
HSV	253°, 65%, 81%
XYZ	18.7199, 11.8003, 59.6962
YIQ	95.6480, -26.3260, 47.6100

Conversions

Conversions Part 2

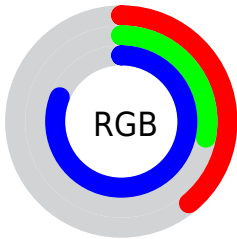
Format	Color
R_{YB}	100, 72, 206
Decimal	6572238
CIE _{Lab}	40.90, 45.66, -65.59
CIE _{LCh}	41, 79.923, 304.845
Yxy	11.8003, 0.2075, 0.1308
Android (android.graphics.Color)	4284762318 (0xFF6448CE)
YUV	95.6480, 54.4035, 3.8167
Hunter-Lab	34.3516, 37.1584, -78.9881

Details

The Yxy color **11.8003, 0.2075, 0.1308** 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 **54.0765, 0.3780, 0.4914**, and the grayscale version is **11.4793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5100, 0.2370, 0.1719**, and **3.2110, 0.1664, 0.0817** is the 20% darker color. If you saturate the color by 10%, you get **8.7315, 0.1903, 0.1040**, and if you desaturate by 10%, it is **15.9474, 0.2260, 0.1619**.

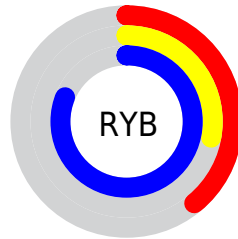
Distribution



Red (39%)

Green (28%)

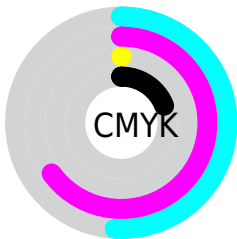
Blue (81%)



Red (39%)

Yellow (28%)

Blue (81%)

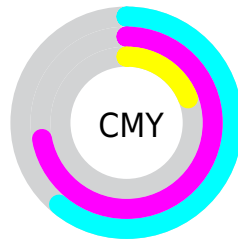


Cyan (51%)

Magenta (65%)

Yellow (0%)

Black (19%)



Cyan (61%)


Magenta (72%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8003, 0.2075, 0.1308 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 11.8003, 0.2075, 0.1308 by changing the saturation by 10% instead.


 11.8003, 0.2075,
0.1308


 11.8003, 0.2075,
0.1308


203.0787, 0.2696,
0.2302


 6.6078, 0.1899,
0.1085


 29.1309, 0.2319,
0.1657


 3.2181, 0.1668,
0.0823


 42.0378, 0.2406,
0.1793

 1.2466, 0.1362,
0.0529

 58.2849, 0.2477,
0.1909

 0.0993, 0.0978,
0.0077

 78.2568, 0.2536,
0.2010

 0.0000, 0.0242,
0.0000

 102.3377, 0.2586,
0.2097

 0.0000, 0.0000,
0.0000

130.9120, 0.2628,

0.2174

164.3643, 0.2665,
0.2242

■ 11.8003, 0.2075,
0.1308

■ 11.8003, 0.2075,
0.1308

■ 8.7315, 0.1903,
0.1040

■ 15.9474, 0.2260,
0.1619

■ 6.6356, 0.1757,
0.0834

■ 21.2625, 0.2447,
0.1950

■ 5.3870, 0.1644,
0.0701

■ 27.8267, 0.2626,
0.2282

■ 4.9745, 0.1601,
0.0656

■ 35.7137, 0.2791,
0.2601

■ 44.9913, 0.2938,
0.2897

■ 55.7226, 0.3068,
0.3165

■ 67.9669, 0.3180,
0.3405

■ 81.7802, 0.3277,
0.3616

■ 95.6829, 0.3362,
0.3779

Harmonies

Analogous

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



11.8003, 0.1212, 0.1175



11.8003, 0.2075, 0.1308



11.8003, 0.3608, 0.1748

Triad

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



11.8003, 0.2075, 0.1308



11.8003, 0.5838, 0.4162



11.8003, 0.1116, 0.3814

Complementary

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



11.8003, 0.2075, 0.1308



54.0765, 0.3780, 0.4914

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.



11.8003, 0.2034, 0.6108



11.8003, 0.2075, 0.1308



11.8003, 0.4664, 0.5336

Square

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



11.8003, 0.2075, 0.1308



11.8003, 0.6240, 0.3224



11.8003, 0.3323, 0.6488



11.8003, 0.0778, 0.2083

Rectangle

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



11.8003, 0.2075, 0.1308



11.8003, 0.4850, 0.2196



11.8003, 0.3323, 0.6488



11.8003, 0.1356, 0.4630

Sweetspot

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



11.8006, 0.2075, 0.1308



64.8055, 0.2864, 0.2747



38.1582, 0.2265, 0.2884



12.9784, 0.2821, 0.2661



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.



11.8006, 0.2075, 0.1308



12.6425, 0.1842, 0.0951



17.1738, 0.2736, 0.1613



10.9554, 0.3014, 0.3053



3.0967, 0.1612, 0.0662



0.1933, 0.1806, 0.0768

Inverse Universe

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



20.9669, 0.3544, 0.2076



28.9184, 0.3660, 0.1934



48.0767, 0.3261, 0.5234



11.3619, 0.3169, 0.3109



9.7191, 0.3817, 0.1876



0.5118, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 11.8003, 0.2075, 0.1308 looks on a white background.

Color Contrast Check

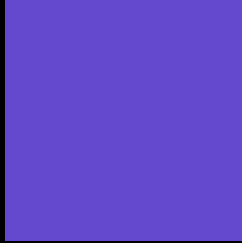
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8003, 0.2075, 0.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

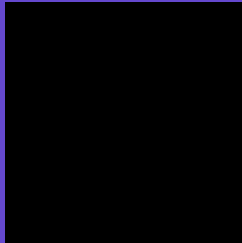
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.8003, 0.2075, 0.1308

Background



This preview shows how black text looks on a background with the Yxy color 11.8003, 0.2075, 0.1308.



This preview shows how white text looks on a background with the Yxy color 11.8003, 0.2075, 0.1308.

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

11.8003, 0.2075, 0.1308

Protanopia

11.8142, 0.1746, 0.1487

Deuteranopia

11.8260, 0.1853, 0.1870



Tritanopia

11.7136, 0.2626, 0.3094

Trichromacy



Original Color

11.8003, 0.2075, 0.1308

Protanomaly

11.0422, 0.1768, 0.1356

Deuteranomaly

10.9387, 0.1835, 0.1562

Tritanomaly

11.0753, 0.2367, 0.2170

Monochromacy



Original Color

11.8003, 0.2075, 0.1308

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1354, 0.2625, 0.2287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8003, 0.2075, 0.1308 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(100, 72, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 72, 206)  
}
```

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(100, 72, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 72, 206) }
```

Border

The CSS property to change the border of an element to Yxy 11.8003, 0.2075, 0.1308 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(100, 72, 206) }
```

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

```
.border{ border-color:rgb(100, 72, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 72, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 72, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 72, 206);  
box-shadow:4px 4px 4px 4px rgb(100, 72,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8003, 0.2075, 0.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 72, 206) }
```

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

```
.background{ background-color: rgb(100, 72,  
206) }
```

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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