

Converting Colors

$Y_{xy}(11.7057, 0.2038, 0.1189)$

Have a look what the booklet for
Yxy(11.7057, 0.2038, 0.1189)
contains.

Yxy(11.7334, 0.2039, 0.1189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.7334, 0.2039, 0.1189)

Conversions

Conversions Part 1

Format	Color
Hex	6841D9
RGB	104, 65, 217
RGB Percent	41%, 25%, 85%
CMY	0.5921, 0.7451, 0.1491
CMYK	0.52, 0.70, 0.00, 0.15
HSL	255°, 67%, 55%
HSV	255°, 70%, 85%
XYZ	20.1214, 11.7334, 66.8281
YIQ	93.9890, -25.5480, 55.5400

Conversions

Conversions Part 2

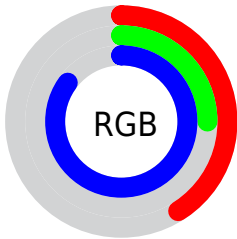
Format	Color
RYB	104, 65, 217
Decimal	6832601
CIELab	40.79, 53.21, -72.05
CIELCh	41, 89.574, 306.447
Yxy	11.7334, 0.2039, 0.1189
Android (android.graphics.Color)	4285022681 (0xFF6841D9)
YUV	93.9890, 60.6444, 8.7796
Hunter-Lab	34.2541, 44.9095, -91.6942

Details

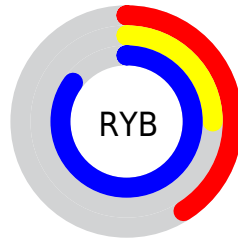
The Yxy color **11.7334, 0.2039, 0.1189** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **59.4510, 0.3747, 0.5051**, and the grayscale version is **11.0511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6033, 0.2399, 0.1672**, and **3.2011, 0.1630, 0.0721** is the 20% darker color. If you saturate the color by 10%, you get **8.8280, 0.1879, 0.0953**, and if you desaturate by 10%, it is **15.7802, 0.2215, 0.1477**.

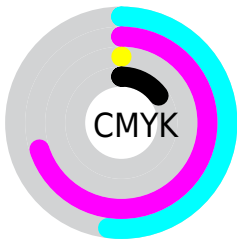
Distribution



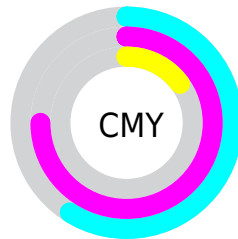
- Red (41%)
- Green (25%)
- Blue (85%)



- Red (41%)
- Yellow (25%)
- Blue (85%)



- Cyan (52%)
- Magenta (70%)
- Yellow (0%)
- Black (15%)




- Cyan (59%)
- Magenta (75%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7334, 0.2039, 0.1189 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 11.7334, 0.2039, 0.1189 by changing the saturation by 10% instead.


 11.7334, 0.2039,
0.1189


 11.7334, 0.2039,
0.1189


202.6323, 0.2679,
0.2213


 6.5624, 0.1862,
0.0970


 29.0086, 0.2288,
0.1539


 3.1900, 0.1632,
0.0721


 41.8816, 0.2378,
0.1679


 1.2317, 0.1333,
0.0450

 58.0908, 0.2451,
0.1799

 0.0874, 0.0964,
0.0056

 78.0204, 0.2513,
0.1904

 0.0000, 0.0396,
0.0000

 102.0550, 0.2564,
0.1996

 0.0000, 0.0000,
0.0000

130.5789, 0.2608,

0.2077

163.9765, 0.2646,
0.2148

■ 11.7334, 0.2039,
0.1189

■ 11.7334, 0.2039,
0.1189

■ 8.8280, 0.1879,
0.0953

■ 15.7802, 0.2215,
0.1477

■ 6.9360, 0.1746,
0.0783

■ 21.0751, 0.2395,
0.1795

■ 5.8403, 0.1644,
0.0679

■ 27.7134, 0.2571,
0.2124

■ 35.7806, 0.2735,
0.2448

■ 45.3552, 0.2883,
0.2754

■ 56.5097, 0.3013,
0.3035

■ 69.3119, 0.3127,
0.3289

■ 83.8258, 0.3224,
0.3515

■ 96.6973, 0.3313,
0.3666

Harmonies

Analogous

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



11.7334, 0.1112, 0.1036



11.7334, 0.2039, 0.1189



11.7334, 0.3750, 0.1657

Triad

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



11.7334, 0.2039, 0.1189



11.7334, 0.5887, 0.4113



11.7334, 0.0906, 0.3697

Complementary

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



11.7334, 0.2039, 0.1189



59.4510, 0.3747, 0.5051

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.



11.7334, 0.1792, 0.6423



11.7334, 0.2039, 0.1189



11.7334, 0.4559, 0.5441

Square

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



11.7334, 0.2039, 0.1189



11.7334, 0.6513, 0.3160



11.7334, 0.3130, 0.6870



11.7334, 0.0626, 0.1873

Rectangle

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



11.7334, 0.2039, 0.1189



11.7334, 0.5142, 0.2126



11.7334, 0.3130, 0.6870



11.7334, 0.1127, 0.4636

Sweetspot

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



11.7337, 0.2039, 0.1189



63.6804, 0.2867, 0.2719



38.3636, 0.2192, 0.2729



12.7744, 0.2826, 0.2636



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.



11.7337, 0.2039, 0.1189



11.2675, 0.1812, 0.0864



18.3706, 0.2778, 0.1546



12.7779, 0.3021, 0.3051



3.5796, 0.1656, 0.0686



0.2731, 0.1825, 0.0779

Inverse Universe

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



21.7409, 0.3686, 0.2080



27.0027, 0.3841, 0.1977



52.8746, 0.3206, 0.5407



13.2148, 0.3177, 0.3118



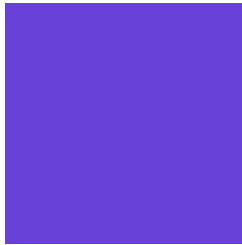
10.5118, 0.3983, 0.1968



0.6947, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 11.7334, 0.2039, 0.1189 looks on a white background.

Color Contrast Check

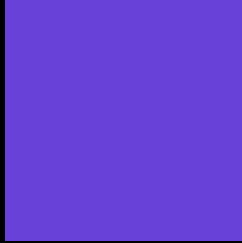
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7334, 0.2039, 0.1189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

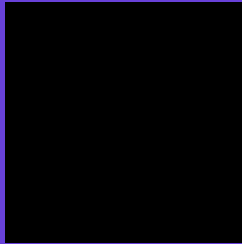
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7334, 0.2039, 0.1189

Background



This preview shows how black text looks on a background with the Yxy color 11.7334, 0.2039, 0.1189.



This preview shows how white text looks on a background with the Yxy color 11.7334, 0.2039, 0.1189.

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

11.7334, 0.2039, 0.1189

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.7508, 0.1860, 0.1896



Tritanopia

11.7136, 0.2626, 0.3094

Trichromacy



Original Color

11.7334, 0.2039, 0.1189

Protanomaly

10.9104, 0.1759, 0.1308

Deuteranomaly

10.7736, 0.1823, 0.1503

Tritanomaly

10.9114, 0.2337, 0.2070

Monochromacy



Original Color

11.7334, 0.2039, 0.1189

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.6473, 0.2597, 0.2162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7334, 0.2039, 0.1189 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(104, 65, 217)` looks like.

```
.text, #text, p{  
    color:rgb(104, 65, 217)  
}
```

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(104, 65, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 65, 217) }
```

Border

The CSS property to change the border of an element to Yxy 11.7334, 0.2039, 0.1189 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(104, 65, 217) }
```

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

```
.border{ border-color:rgb(104, 65, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 65, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 65, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 65, 217);  
box-shadow:4px 4px 4px 4px rgb(104, 65,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7334, 0.2039, 0.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 65, 217) }
```

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

```
.background{ background-color: rgb(104, 65,  
217) }
```

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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