

Converting Colors

$Y_{xy}(10.5089, 0.2105, 0.1187)$

Have a look what the booklet for
Yxy(10.5089, 0.2105, 0.1187)
contains.

Yxy(10.5083, 0.2107, 0.1186)	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(10.5083, 0.2107, 0.1186)

Conversions

Conversions Part 1

Format	Color
Hex	6B39CE
RGB	107, 57, 206
RGB Percent	42%, 22%, 81%
CMY	0.5802, 0.7765, 0.1922
CMYK	0.48, 0.72, 0.00, 0.19
HSL	260°, 60%, 52%
HSV	260°, 72%, 81%
XYZ	18.6686, 10.5083, 59.4259
YIQ	88.9360, -18.0290, 56.9390

Conversions

Conversions Part 2

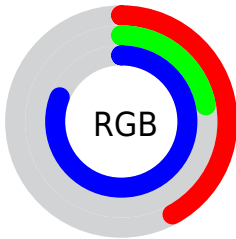
Format	Color
R_{YB}	107, 57, 206
Decimal	7027150
CIE _{Lab}	38.74, 54.70, -69.07
CIE _{LCh}	39, 88.101, 308.378
Yxy	10.5083, 0.2107, 0.1186
Android (android.graphics.Color)	4285217230 (0xFF6B39CE)
YUV	88.9360, 57.7126, 15.8421
Hunter-Lab	32.4165, 46.0690, -85.9989

Details

The Yxy color **10.5083, 0.2107, 0.1186** 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 **51.4907, 0.3655, 0.5155**, and the grayscale version is **9.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0521, 0.2405, 0.1601**, and **2.6942, 0.1692, 0.0706** is the 20% darker color. If you saturate the color by 10%, you get **8.0868, 0.1956, 0.0968**, and if you desaturate by 10%, it is **13.8900, 0.2270, 0.1455**.

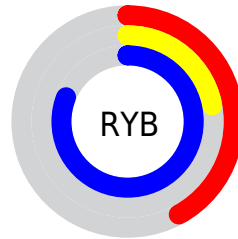
Distribution



Red (42%)

Green (22%)

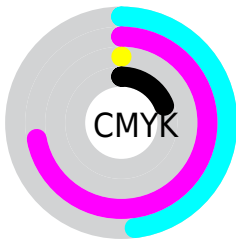
Blue (81%)



Red (42%)

Yellow (22%)

Blue (81%)

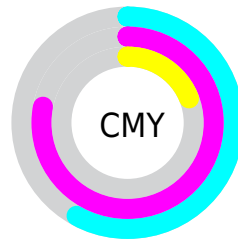


Cyan (48%)

Magenta (72%)

Yellow (0%)

Black (19%)



Cyan (58%)


Magenta (78%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5083, 0.2107, 0.1186 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 10.5083, 0.2107, 0.1186 by changing the saturation by 10% instead.


 10.5083, 0.2107,
0.1186


 10.5083, 0.2107,
0.1186


194.2624, 0.2724,
0.2228


 5.7373, 0.1929,
0.0959


 26.7473, 0.2353,
0.1546


 2.6860, 0.1693,
0.0700


 38.9840, 0.2439,
0.1688

 0.9701, 0.1380,
0.0419

 54.4781, 0.2510,
0.1811

 0.0000, 0.0987,
0.0000

 73.6139, 0.2568,
0.1917

 0.0000, 0.0234,
0.0000

 96.7758, 0.2617,
0.2010

 0.0000, 0.0000,
0.0000

 124.3483, 0.2658,

0.2091

156.7157, 0.2694,
0.2163

■ 10.5083, 0.2107,
0.1186

■ 10.5083, 0.2107,
0.1186

■ 8.0868, 0.1956,
0.0968

■ 13.8900, 0.2270,
0.1455

■ 6.5115, 0.1826,
0.0814

■ 18.3261, 0.2436,
0.1757

■ 5.7279, 0.1742,
0.0733

■ 23.9000, 0.2597,
0.2074

■ 30.6864, 0.2747,
0.2390

■ 38.7535, 0.2882,
0.2693

■ 48.1641, 0.3002,
0.2975

■ 58.9771, 0.3105,
0.3233

■ 71.2478, 0.3194,
0.3466

■ 85.0282, 0.3269,
0.3673

Harmonies

Analogous

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



10.5083, 0.1130, 0.1014



10.5083, 0.2107, 0.1186



10.5083, 0.3894, 0.1676

Triad

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



10.5083, 0.2107, 0.1186



10.5083, 0.5832, 0.4168



10.5083, 0.0841, 0.3528

Complementary

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



10.5083, 0.2107, 0.1186



51.4907, 0.3655, 0.5155

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.



10.5083, 0.1683, 0.6362



10.5083, 0.2107, 0.1186



10.5083, 0.4456, 0.5544

Square

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



10.5083, 0.2107, 0.1186



10.5083, 0.6552, 0.3191



10.5083, 0.3011, 0.6989



10.5083, 0.0598, 0.1777

Rectangle

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



10.5083, 0.2107, 0.1186



10.5083, 0.5306, 0.2156



10.5083, 0.3011, 0.6989



10.5083, 0.1045, 0.4467

Sweetspot

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



10.5086, 0.2107, 0.1186



62.8872, 0.2883, 0.2695



29.2085, 0.2122, 0.2503



12.6460, 0.2848, 0.2613



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.



10.5086, 0.2107, 0.1186



11.4840, 0.1878, 0.0872



17.2223, 0.2909, 0.1581



11.0240, 0.3034, 0.3054



3.5756, 0.1756, 0.0741



0.2260, 0.1980, 0.0864

Inverse Universe

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



18.4422, 0.3890, 0.2180



25.6706, 0.4122, 0.2113



46.2155, 0.3131, 0.5509



11.3372, 0.3188, 0.3137



9.2073, 0.4273, 0.2128



0.4888, 0.4015, 0.1985

Previews

White Background



This preview shows how the Yxy color 10.5083, 0.2107, 0.1186 looks on a white background.

Color Contrast Check

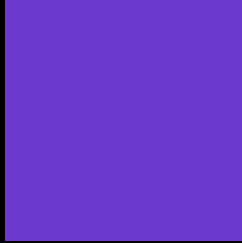
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5083, 0.2107, 0.1186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

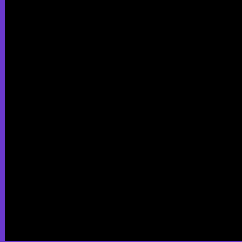
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5083, 0.2107, 0.1186

Background



This preview shows how black text looks on a background with the Yxy color 10.5083, 0.2107, 0.1186.



This preview shows how white text looks on a background with the Yxy color 10.5083, 0.2107, 0.1186.

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

10.5083, 0.2107, 0.1186

Protanopia

10.5246, 0.1747, 0.1488

Deuteranopia

10.5435, 0.1860, 0.1895



Tritanopia

10.5647, 0.2800, 0.3116

Trichromacy



Original Color

10.5083, 0.2107, 0.1186

Protanomaly

9.5893, 0.1765, 0.1290

Deuteranomaly

9.4905, 0.1830, 0.1483

Tritanomaly

9.8728, 0.2478, 0.2087

Monochromacy



Original Color

10.5083, 0.2107, 0.1186

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.4605, 0.2637, 0.2143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5083, 0.2107, 0.1186 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(107, 57, 206)` looks like.

```
.text, #text, p{  
    color:rgb(107, 57, 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(107, 57, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 57, 206) }
```

Border

The CSS property to change the border of an element to Yxy 10.5083, 0.2107, 0.1186 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(107, 57, 206) }
```

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

```
.border{ border-color:rgb(107, 57, 206) }
```

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

Here you see how a box with a 4 pixel rgb(107, 57, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 57, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 57, 206);  
box-shadow:4px 4px 4px 4px rgb(107, 57,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5083, 0.2107, 0.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 57, 206) }
```

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

```
.background{ background-color: rgb(107, 57,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor