

Converting Colors

$Y_{xy}(10.8128, 0.2086, 0.1175)$

Have a look what the booklet for
Yxy(10.8128, 0.2086, 0.1175)
contains.

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Color

$\text{Yxy}(10.8051, 0.2087, 0.1174)$

Conversions

Conversions Part 1	
Format	Color
Hex	6B3AD2
RGB	107, 58, 210
RGB Percent	42%, 23%, 82%
CMY	0.5803, 0.7725, 0.1766
CMYK	0.49, 0.72, 0.00, 0.18
HSL	259°, 63%, 53%
HSV	259°, 72%, 82%
XYZ	19.2080, 10.8051, 62.0235
YIQ	89.9790, -19.5880, 57.6600

Conversions

Conversions Part 2

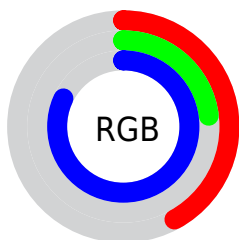
Format	Color
RYB	107, 58, 210
Decimal	7027410
CIELab	39.25, 55.27, -70.53
CIELCh	39, 89.607, 308.082
Yxy	10.8051, 0.2087, 0.1174
Android (android.graphics.Color)	4285217490 (0xFF6B3AD2)
YUV	89.9790, 59.1704, 14.9274
Hunter-Lab	32.8711, 46.7810, -88.8627

Details

The Yxy color **10.8051, 0.2087, 0.1174** 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 **53.9527, 0.3671, 0.5147**, and the grayscale version is **10.0894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2643, 0.2406, 0.1610**, and **2.8045, 0.1674, 0.0696** is the 20% darker color. If you saturate the color by 10%, you get **8.2920, 0.1935, 0.0956**, and if you desaturate by 10%, it is **14.3264, 0.2252, 0.1444**.

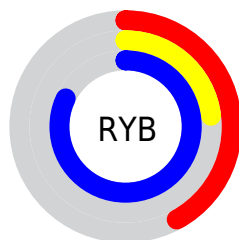
Distribution



Red (42%)

Green (23%)

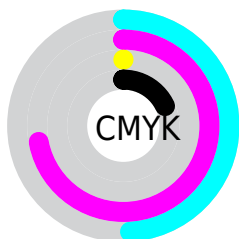
Blue (82%)



Red (42%)

Yellow (23%)

Blue (82%)

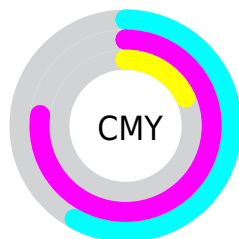


Cyan (49%)

Magenta (72%)

Yellow (0%)

Black (18%)



Cyan (58%)


Magenta (77%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8051, 0.2087, 0.1174 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 10.8051, 0.2087, 0.1174 by changing the saturation by 10% instead.


 10.8051, 0.2087,
0.1174


 10.8051, 0.2087,
0.1174


 196.3255, 0.2712,
0.2214


 5.9359, 0.1909,
0.0950


 27.2992, 0.2334,
0.1532

 2.8062, 0.1675,
0.0695


 39.6929, 0.2422,
0.1673


 1.0314, 0.1367,
0.0419


 55.3636, 0.2493,
0.1796

 0.0000, 0.0983,
0.0000

 74.6957, 0.2552,
0.1902

 0.0000, 0.0308,
0.0000


 98.0735, 0.2602,
0.1995


 0.0000, 0.0000,
0.0000


 125.8815, 0.2644,

0.2077


158.5040, 0.2680,
0.2149


 10.8051, 0.2087,
0.1174


 10.8051, 0.2087,
0.1174

 8.2920, 0.1935,
0.0956


 14.3264, 0.2252,
0.1444

 6.6668, 0.1805,
0.0802


 18.9553, 0.2421,
0.1748


 5.8710, 0.1723,
0.0723


 24.7796, 0.2585,
0.2067


 31.8781, 0.2738,
0.2385

 40.3225, 0.2876,
0.2690

 50.1792, 0.2998,
0.2974

 61.5100, 0.3104,
0.3232

 74.3732, 0.3195,
0.3465

 88.8236, 0.3272,
0.3672

Harmonies

Analogous

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



10.8051, 0.1115, 0.1005



10.8051, 0.2087, 0.1174



10.8051, 0.3877, 0.1661

Triad

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



10.8051, 0.2087, 0.1174



10.8051, 0.5850, 0.4150



10.8051, 0.0834, 0.3552

Complementary

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



10.8051, 0.2087, 0.1174



53.9527, 0.3671, 0.5147

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.



10.8051, 0.1681, 0.6412



10.8051, 0.2087, 0.1174



10.8051, 0.4467, 0.5533

Square

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



10.8051, 0.2087, 0.1174



10.8051, 0.6571, 0.3175



10.8051, 0.3009, 0.6991



10.8051, 0.0589, 0.1777

Rectangle

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



10.8051, 0.2087, 0.1174



10.8051, 0.5301, 0.2141



10.8051, 0.3009, 0.6991



10.8051, 0.1040, 0.4504

Sweetspot

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



10.8054, 0.2087, 0.1174



62.7724, 0.2878, 0.2694



31.3369, 0.2132, 0.2543



12.6191, 0.2842, 0.2612



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.



10.8054, 0.2087, 0.1174



11.3026, 0.1859, 0.0861



17.6358, 0.2879, 0.1564



11.6002, 0.3031, 0.3053



3.6308, 0.1737, 0.0731



0.2455, 0.1944, 0.0844

Inverse Universe

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



19.2941, 0.3860, 0.2158



25.7928, 0.4078, 0.2088



48.3538, 0.3144, 0.5503



11.9415, 0.3186, 0.3134



9.5728, 0.4224, 0.2100



0.5494, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 10.8051, 0.2087, 0.1174 looks on a white background.

Color Contrast Check

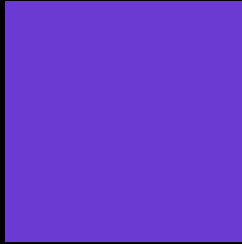
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8051, 0.2087, 0.1174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

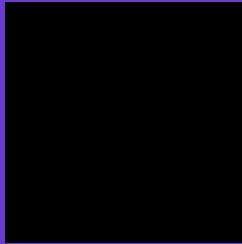
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8051, 0.2087, 0.1174

Background



This preview shows how black text looks on a background with the Yxy color 10.8051, 0.2087, 0.1174.



This preview shows how white text looks on a background with the Yxy color 10.8051, 0.2087, 0.1174.

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

10.8051, 0.2087, 0.1174

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.7931, 0.1858, 0.1890



Tritanopia

10.7415, 0.2764, 0.3092

Trichromacy



Original Color

10.8051, 0.2087, 0.1174



Protanomaly

9.8656, 0.1761, 0.1284



Deuteranomaly

9.7206, 0.1828, 0.1482



Tritanomaly

10.0623, 0.2439, 0.2058

Monochromacy



Original Color

10.8051, 0.2087, 0.1174



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.6568, 0.2616, 0.2132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8051, 0.2087, 0.1174 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, 58, 210)` looks like.

```
.text, #text, p{  
    color:rgb(107, 58, 210)  
}
```

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, 58, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 58, 210) }
```

Border

The CSS property to change the border of an element to Yxy 10.8051, 0.2087, 0.1174 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, 58, 210) }
```

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

```
.border{ border-color:rgb(107, 58, 210) }
```

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

Here you see how a box with a 4 pixel rgb(107, 58, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 58, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 58, 210);  
box-shadow:4px 4px 4px 4px rgb(107, 58,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8051, 0.2087, 0.1174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 58, 210) }
```

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

```
.background{ background-color: rgb(107, 58,  
210) }
```

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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