

Converting Colors

$Y_{xy}(10.0153, 0.2106, 0.1209)$

Have a look what the booklet for
Yxy(10.0153, 0.2106, 0.1209)
contains.

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Color

Yxy(10.0798, 0.2105, 0.1210)

Conversions

Conversions Part 1

Format	Color
Hex	673AC8
RGB	103, 58, 200
RGB Percent	40%, 23%, 78%
CMY	0.5961, 0.7726, 0.2155
CMYK	0.49, 0.71, 0.00, 0.22
HSL	259°, 56%, 51%
HSV	259°, 71%, 78%
XYZ	17.5355, 10.0798, 55.6888
YIQ	87.6430, -18.7620, 53.7020

Conversions

Conversions Part 2

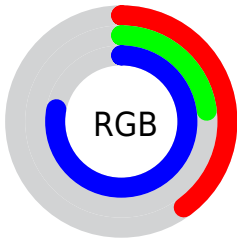
Format	Color
R_{YB}	103, 58, 200
Decimal	6765256
CIE _{Lab}	37.99, 51.95, -66.87
CIE _{LCh}	38, 84.672, 307.842
Yxy	10.0798, 0.2105, 0.1210
Android (android.graphics.Color)	4284955336 (0xFF673AC8)
YUV	87.6430, 55.3920, 13.4681
Hunter-Lab	31.7487, 43.0293, -81.7735

Details

The Yxy color **10.0798, 0.2105, 0.1210** 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 **48.6023, 0.3675, 0.5111**, and the grayscale version is **9.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8387, 0.2374, 0.1597**, and **2.5408, 0.1685, 0.0716** is the 20% darker color. If you saturate the color by 10%, you get **7.6975, 0.1950, 0.0983**, and if you desaturate by 10%, it is **13.3777, 0.2272, 0.1486**.

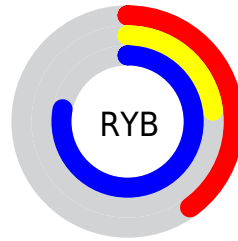
Distribution



Red (40%)

Green (23%)

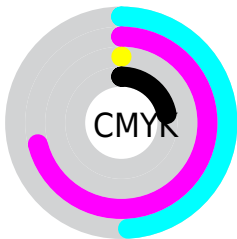
Blue (78%)



Red (40%)

Yellow (23%)

Blue (78%)

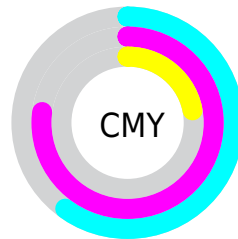


Cyan (49%)

Magenta (71%)

Yellow (0%)

Black (22%)



Cyan (60%)


Magenta (77%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0798, 0.2105, 0.1210 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 10.0798, 0.2105, 0.1210 by changing the saturation by 10% instead.


 10.0798, 0.2105,
0.1210


 10.0798, 0.2105,
0.1210


 191.2407, 0.2727,
0.2254


 5.4519, 0.1923,
0.0978


 25.9455, 0.2354,
0.1575


 2.5148, 0.1681,
0.0712


 37.9521, 0.2441,
0.1718


 0.8840, 0.1358,
0.0421

 53.1870, 0.2512,
0.1840

 0.0000, 0.0949,
0.0000

 72.0347, 0.2570,
0.1946

 0.0000, 0.0007,
0.0000

 94.8795, 0.2619,
0.2038

 0.0000, 0.0000,
0.0000

 122.1058, 0.2660,

0.2119

154.0981, 0.2696,
0.2191

■ 10.0798, 0.2105,
0.1210

■ 10.0798, 0.2105,
0.1210

■ 7.6975, 0.1950,
0.0983

■ 13.3777, 0.2272,
0.1486

■ 6.1270, 0.1817,
0.0818

■ 17.6776, 0.2441,
0.1794

■ 5.2419, 0.1719,
0.0720

■ 23.0564, 0.2604,
0.2114

■ 29.5830, 0.2756,
0.2430

■ 37.3207, 0.2893,
0.2731

■ 46.3279, 0.3013,
0.3011

■ 56.6592, 0.3117,
0.3266

■ 68.3660, 0.3207,
0.3494

■ 81.4969, 0.3283,
0.3697

Harmonies

Analogous

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



10.0798, 0.1147, 0.1044



10.0798, 0.2105, 0.1210



10.0798, 0.3844, 0.1692

Triad

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



10.0798, 0.2105, 0.1210



10.0798, 0.5830, 0.4170



10.0798, 0.0889, 0.3577

Complementary

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



10.0798, 0.2105, 0.1210



48.6023, 0.3675, 0.5111

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.



10.0798, 0.1747, 0.6307



10.0798, 0.2105, 0.1210



10.0798, 0.4493, 0.5507

Square

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



10.0798, 0.2105, 0.1210



10.0798, 0.6496, 0.3203



10.0798, 0.3082, 0.6918



10.0798, 0.0630, 0.1831

Rectangle

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



10.0798, 0.2105, 0.1210



10.0798, 0.5223, 0.2167



10.0798, 0.3082, 0.6918



10.0798, 0.1101, 0.4493

Sweetspot

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



10.0801, 0.2105, 0.1210



64.1739, 0.2889, 0.2723



28.5318, 0.2147, 0.2562



12.8903, 0.2852, 0.2640



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.



10.0801, 0.2105, 0.1210



11.7446, 0.1878, 0.0889



16.1944, 0.2887, 0.1590



10.4479, 0.3031, 0.3055



3.3743, 0.1732, 0.0728



0.1989, 0.1971, 0.0859

Inverse Universe

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



17.6762, 0.3825, 0.2163



26.2204, 0.4033, 0.2080



43.5181, 0.3148, 0.5462



10.7572, 0.3185, 0.3133



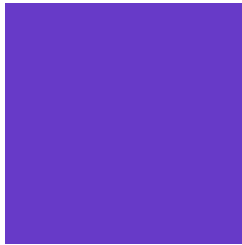
8.9659, 0.4199, 0.2087



0.4373, 0.3944, 0.1947

Previews

White Background



This preview shows how the Yxy color 10.0798, 0.2105, 0.1210 looks on a white background.

Color Contrast Check

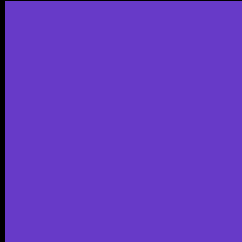
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0798, 0.2105, 0.1210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

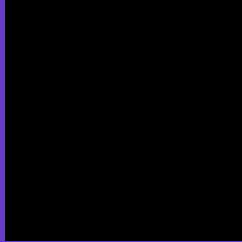
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0798, 0.2105, 0.1210

Background



This preview shows how black text looks on a background with the Yxy color 10.0798, 0.2105, 0.1210.



This preview shows how white text looks on a background with the Yxy color 10.0798, 0.2105, 0.1210.

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

10.0798, 0.2105, 0.1210

Protanopia

10.0330, 0.1747, 0.1489

Deuteranopia

10.0886, 0.1859, 0.1892



Tritanopia

10.0510, 0.2780, 0.3111

Trichromacy



Original Color

10.0798, 0.2105, 0.1210

Protanomaly

9.2363, 0.1764, 0.1300

Deuteranomaly

9.1478, 0.1831, 0.1499

Tritanomaly

9.4462, 0.2455, 0.2097

Monochromacy



Original Color

10.0798, 0.2105, 0.1210

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.2199, 0.2631, 0.2179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0798, 0.2105, 0.1210 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(103, 58, 200)` looks like.

```
.text, #text, p{  
    color:rgb(103, 58, 200)  
}
```

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(103, 58, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 58, 200) }
```

Border

The CSS property to change the border of an element to Yxy 10.0798, 0.2105, 0.1210 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(103, 58, 200) }
```

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

```
.border{ border-color:rgb(103, 58, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 58, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 58, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 58, 200); box-shadow:4px 4px 4px 4px rgb(103, 58, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0798, 0.2105, 0.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 58, 200) }
```

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

```
.background{ background-color: rgb(103, 58,  
200) }
```

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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