

Converting Colors

$Y_{xy}(10.0354, 0.2064, 0.1091)$

Have a look what the booklet for
Yxy(10.0354, 0.2064, 0.1091)
contains.

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Color

Yxy(10.0759, 0.2062, 0.1091)

Conversions

Conversions Part 1

Format	Color
Hex	6B31D4
RGB	107, 49, 212
RGB Percent	42%, 19%, 83%
CMY	0.5805, 0.8078, 0.1686
CMYK	0.50, 0.77, 0.00, 0.17
HSL	261°, 65%, 51%
HSV	261°, 77%, 83%
XYZ	19.0435, 10.0759, 63.2353
YIQ	84.9240, -17.7550, 62.9890

Conversions

Conversions Part 2

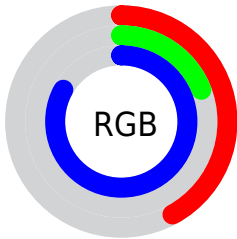
Format	Color
R_{YB}	107, 49, 212
Decimal	7025108
CIE _{Lab}	37.98, 59.91, -73.80
CIE _{LCh}	38, 95.056, 309.071
Yxy	10.0759, 0.2062, 0.1091
Android (android.graphics.Color)	4285215188 (0xFF6B31D4)
YUV	84.9240, 62.6485, 19.3607
Hunter-Lab	31.7426, 51.5393, -95.8935

Details

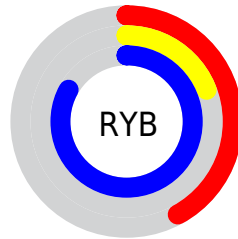
The Yxy color **10.0759, 0.2062, 0.1091** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **54.1896, 0.3634, 0.5260**, and the grayscale version is **8.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.9382, 0.2405, 0.1548**, and **2.8316, 0.1655, 0.0685** is the 20% darker color. If you saturate the color by 10%, you get **7.9192, 0.1920, 0.0903**, and if you desaturate by 10%, it is **13.2003, 0.2219, 0.1336**.

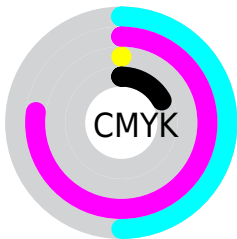
Distribution



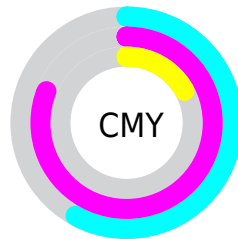
- Red (42%)
- Green (19%)
- Blue (83%)



- Red (42%)
- Yellow (19%)
- Blue (83%)



- Cyan (50%)
- Magenta (77%)
- Yellow (0%)
- Black (17%)




- Cyan (58%)
- Magenta (81%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0759, 0.2062, 0.1091 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 10.0759, 0.2062, 0.1091 by changing the saturation by 10% instead.


 10.0759, 0.2062,
0.1091


 10.0759, 0.2062,
0.1091


191.2129, 0.2706,
0.2160


 5.4493, 0.1879,
0.0867


 25.9382, 0.2317,
0.1454


 2.5132, 0.1639,
0.0616


 37.9426, 0.2407,
0.1600


 0.8832, 0.1325,
0.0354

 53.1752, 0.2481,
0.1726

 0.0000, 0.0936,
0.0000

 72.0202, 0.2542,
0.1836

 0.0000, 0.0269,
0.0000

 94.8621, 0.2593,
0.1932

 0.0000, 0.0000,
0.0000

 122.0852, 0.2637,

0.2017

154.0741, 0.2674,
0.2092

■ 10.0759, 0.2062,
0.1091

■ 10.0759, 0.2062,
0.1091

■ 7.9192, 0.1920,
0.0903

■ 13.2003, 0.2219,
0.1336

■ 6.5878, 0.1801,
0.0779

■ 17.4009, 0.2381,
0.1622

■ 6.2654, 0.1768,
0.0748

■ 22.7719, 0.2542,
0.1933

■ 29.3968, 0.2694,
0.2249

■ 37.3512, 0.2832,
0.2558

■ 46.7046, 0.2955,
0.2850

■ 57.5216, 0.3062,
0.3119

■ 69.8626, 0.3154,
0.3364

■ 83.7846, 0.3233,
0.3582

Harmonies

Analogous

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



10.0759, 0.1045, 0.0912



10.0759, 0.2062, 0.1091



10.0759, 0.3995, 0.1594

Triad

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



10.0759, 0.2062, 0.1091



10.0759, 0.5885, 0.4115



10.0759, 0.0694, 0.3441

Complementary

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



10.0759, 0.2062, 0.1091



54.1896, 0.3634, 0.5260

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.



10.0759, 0.1495, 0.6650



10.0759, 0.2062, 0.1091



10.0759, 0.4377, 0.5623

Square

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



10.0759, 0.2062, 0.1091



10.0759, 0.6765, 0.3115



10.0759, 0.2801, 0.7199



10.0759, 0.0493, 0.1629

Rectangle

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



10.0759, 0.2062, 0.1091



10.0759, 0.5533, 0.2083



10.0759, 0.2801, 0.7199



10.0759, 0.0881, 0.4480

Sweetspot

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



10.0762, 0.2062, 0.1091



61.6410, 0.2878, 0.2666



28.8377, 0.2068, 0.2398



12.1378, 0.2832, 0.2557



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.



10.0762, 0.2062, 0.1091



10.6666, 0.1845, 0.0820



17.5878, 0.2920, 0.1528



12.2214, 0.3036, 0.3053



3.9187, 0.1782, 0.0755



0.2821, 0.1978, 0.0863

Inverse Universe

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



18.5316, 0.4011, 0.2180



24.7371, 0.4265, 0.2157



48.7489, 0.3107, 0.5634



12.5542, 0.3192, 0.3141



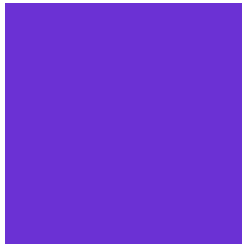
9.7691, 0.4353, 0.2172



0.6047, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 10.0759, 0.2062, 0.1091 looks on a white background.

Color Contrast Check

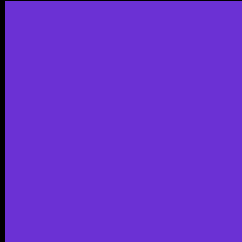
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0759, 0.2062, 0.1091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

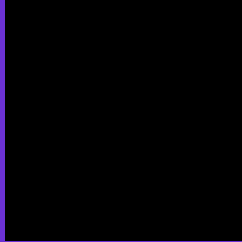
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0759, 0.2062, 0.1091

Background



This preview shows how black text looks on a background with the Yxy color 10.0759, 0.2062, 0.1091.



This preview shows how white text looks on a background with the Yxy color 10.0759, 0.2062, 0.1091.

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

10.0759, 0.2062, 0.1091

Protanopia

10.0330, 0.1747, 0.1489

Deuteranopia

10.0546, 0.1863, 0.1906



Tritanopia

10.0510, 0.2780, 0.3111

Trichromacy



Original Color

10.0759, 0.2062, 0.1091



Protanomaly

9.0467, 0.1750, 0.1232



Deuteranomaly

8.7348, 0.1811, 0.1405



Tritanomaly

9.0886, 0.2429, 0.1963

Monochromacy



Original Color

10.0759, 0.2062, 0.1091



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.6006, 0.2597, 0.2044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0759, 0.2062, 0.1091 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, 49, 212)` looks like.

```
.text, #text, p{  
    color:rgb(107, 49, 212)  
}
```

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, 49, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 49, 212) }
```

Border

The CSS property to change the border of an element to Yxy 10.0759, 0.2062, 0.1091 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, 49, 212) }
```

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

```
.border{ border-color:rgb(107, 49, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 49, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 49, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 49, 212);  
box-shadow:4px 4px 4px 4px rgb(107, 49,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0759, 0.2062, 0.1091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 49, 212) }
```

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

```
.background{ background-color: rgb(107, 49,  
212) }
```

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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