

Converting Colors

$Y_{xy}(10.3860, 0.2147, 0.1078)$

Have a look what the booklet for
Yxy(10.3860, 0.2147, 0.1078)
contains.

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Color

Yxy(10.3458, 0.2145, 0.1076)

Conversions

Conversions Part 1

Format	Color
Hex	7728D7
RGB	119, 40, 215
RGB Percent	47%, 16%, 84%
CMY	0.5335, 0.8429, 0.1570
CMYK	0.45, 0.81, 0.00, 0.16
HSL	267°, 69%, 50%
HSV	267°, 81%, 84%
XYZ	20.6243, 10.3458, 65.1805
YIQ	83.5710, -9.0910, 71.1730

Conversions

Conversions Part 2

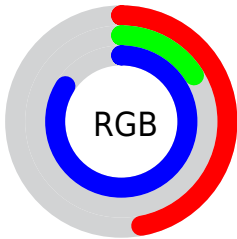
Format	Color
R _{YB}	119, 40, 215
Decimal	7809239
CIE _{Lab}	38.46, 65.73, -74.67
CIE _{LCh}	38, 99.480, 311.359
Yxy	10.3458, 0.2145, 0.1076
Android (android.graphics.Color)	4285999319 (0xFF7728D7)
YUV	83.5710, 64.7945, 31.0712
Hunter-Lab	32.1649, 58.1666, -97.6327

Details

The Yxy color **10.3458, 0.2145, 0.1076** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **53.9818, 0.3505, 0.5429**, and the grayscale version is **8.6450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.1694, 0.2500, 0.1541**, and **3.3154, 0.1773, 0.0750** is the 20% darker color. If you saturate the color by 10%, you get **8.4917, 0.2019, 0.0923**, and if you desaturate by 10%, it is **13.1094, 0.2283, 0.1286**.

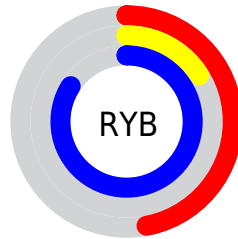
Distribution



Red (47%)

Green (16%)

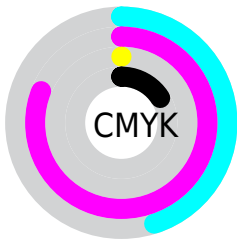
Blue (84%)



Red (47%)

Yellow (16%)

Blue (84%)

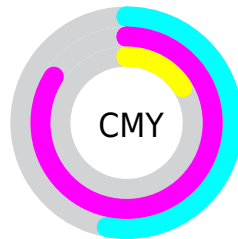


Cyan (45%)

Magenta (81%)

Yellow (0%)

Black (16%)



Cyan (53%)


Magenta (84%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.3458, 0.2145, 0.1076 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 10.3458, 0.2145, 0.1076 by changing the saturation by 10% instead.


 10.3458, 0.2145,
0.1076


 10.3458, 0.2145,
0.1076


193.1226, 0.2747,
0.2139


 5.6288, 0.1971,
0.0856


 26.4439, 0.2385,
0.1435


 2.6207, 0.1743,
0.0611


 38.5938, 0.2469,
0.1579


 0.9371, 0.1441,
0.0354

 53.9902, 0.2538,
0.1704

 0.0000, 0.1061,
0.0000

 73.0174, 0.2595,
0.1814

 0.0000, 0.0488,
0.0000

 96.0599, 0.2642,
0.1910

 0.0000, 0.0000,
0.0000

 123.5020, 0.2683,

0.1995

155.7281, 0.2717,
0.2071

■ 10.3458, 0.2145,
0.1076

■ 10.3458, 0.2145,
0.1076

■ 8.4917, 0.2019,
0.0923

■ 13.1094, 0.2283,
0.1286

■ 7.4438, 0.1922,
0.0832

■ 16.9019, 0.2427,
0.1542

■ 21.8248, 0.2569,
0.1829

■ 27.9667, 0.2704,
0.2131

■ 35.4070, 0.2828,
0.2434

■ 44.2183, 0.2938,
0.2727

■ 54.4678, 0.3034,
0.3003

■ 66.2179, 0.3117,
0.3257

■ 79.5277, 0.3187,
0.3488

Harmonies

Analogous

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



10.3458, 0.1057, 0.0874



10.3458, 0.2145, 0.1076



10.3458, 0.4201, 0.1605

Triad

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



10.3458, 0.2145, 0.1076



10.3458, 0.5818, 0.4182



10.3458, 0.0610, 0.3213

Complementary

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



10.3458, 0.2145, 0.1076



53.9818, 0.3505, 0.5429

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.



10.3458, 0.1341, 0.6585



10.3458, 0.2145, 0.1076



10.3458, 0.4226, 0.5774

Square

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



10.3458, 0.2145, 0.1076



10.3458, 0.6844, 0.3144



10.3458, 0.2618, 0.7382



10.3458, 0.0453, 0.1503

Rectangle

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



10.3458, 0.2145, 0.1076



10.3458, 0.5772, 0.2105



10.3458, 0.2618, 0.7382



10.3458, 0.0773, 0.4246

Sweetspot

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



10.3461, 0.2145, 0.1076



61.1500, 0.2908, 0.2644



23.0410, 0.1953, 0.2047



12.0849, 0.2868, 0.2539



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.



10.3461, 0.2145, 0.1076



11.1689, 0.1934, 0.0845



19.5816, 0.3105, 0.1577



12.2802, 0.3051, 0.3054



4.5147, 0.1937, 0.0841



0.3211, 0.2132, 0.0948

Inverse Universe

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



17.7454, 0.4374, 0.2336



23.3325, 0.4748, 0.2398



49.3885, 0.3033, 0.5776



12.5338, 0.3206, 0.3163



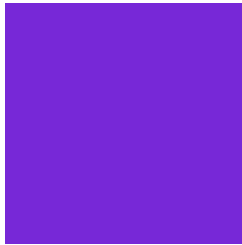
9.4455, 0.4741, 0.2386



0.5863, 0.4405, 0.2200

Previews

White Background



This preview shows how the Yxy color 10.3458, 0.2145, 0.1076 looks on a white background.

Color Contrast Check

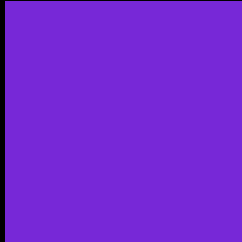
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3458, 0.2145, 0.1076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

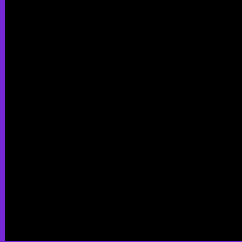
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3458, 0.2145, 0.1076

Background



This preview shows how black text looks on a background with the Yxy color 10.3458, 0.2145, 0.1076.



This preview shows how white text looks on a background with the Yxy color 10.3458, 0.2145, 0.1076.

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

10.3458, 0.2145, 0.1076

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.3319, 0.1858, 0.1887



Tritanopia

10.3491, 0.3025, 0.3121

Trichromacy



Original Color

10.3458, 0.2145, 0.1076



Protanomaly

9.0056, 0.1750, 0.1193



Deuteranomaly

8.6658, 0.1811, 0.1355



Tritanomaly

9.2949, 0.2605, 0.1950

Monochromacy



Original Color

10.3458, 0.2145, 0.1076



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.3416, 0.2635, 0.1969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3458, 0.2145, 0.1076 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(119, 40, 215)` looks like.

```
.text, #text, p{  
  color:rgb(119, 40, 215)  
}
```

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(119, 40, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 40, 215) }
```

Border

The CSS property to change the border of an element to Yxy 10.3458, 0.2145, 0.1076 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(119, 40, 215) }
```

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

```
.border{ border-color:rgb(119, 40, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 40, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 40, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 40, 215);  
box-shadow:4px 4px 4px 4px rgb(119, 40,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3458, 0.2145, 0.1076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 40, 215) }
```

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

```
.background{ background-color: rgb(119, 40,  
215) }
```

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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