

Converting Colors

$Y_{xy}(10.8740, 0.1818, 0.1015)$

Have a look what the booklet for
Yxy(10.8740, 0.1818, 0.1015)
contains.

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Color

Yxy(10.8125, 0.1815, 0.1012)

Conversions

Conversions Part 1

Format	Color
Hex	503DE7
RGB	80, 61, 231
RGB Percent	31%, 24%, 91%
CMY	0.6865, 0.7606, 0.0943
CMYK	0.65, 0.74, 0.00, 0.09
HSL	247°, 78%, 57%
HSV	247°, 74%, 91%
XYZ	19.3920, 10.8125, 76.6384
YIQ	86.0610, -43.2460, 56.8980

Conversions

Conversions Part 2

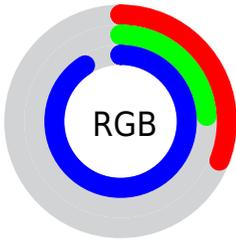
Format	Color
R _Y B	80, 61, 231
Decimal	5258727
CIE Lab	39.26, 56.15, -82.63
CIE LCh	39, 99.898, 304.198
Yxy	10.8125, 0.1815, 0.1012
Android (android.graphics.Color)	4283448807 (0xFF503DE7)
YUV	86.0610, 71.4549, -5.3155
Hunter-Lab	32.8824, 47.7241, -115.1686

Details

The Yxy color **10.8125, 0.1815, 0.1012** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **71.4767, 0.3949, 0.4988**, and the grayscale version is **9.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.6999, 0.2255, 0.1565**, and **3.2731, 0.1511, 0.0638** is the 20% darker color. If you saturate the color by 10%, you get **8.0928, 0.1672, 0.0799**, and if you desaturate by 10%, it is **14.8664, 0.1992, 0.1293**.

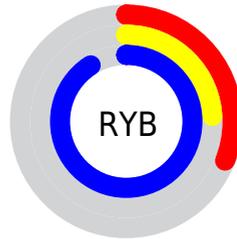
Distribution



Red (31%)

Green (24%)

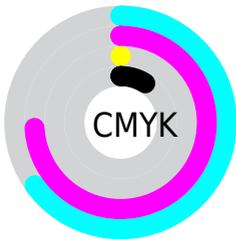
Blue (91%)



Red (31%)

Yellow (24%)

Blue (91%)

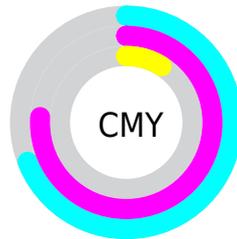


Cyan (65%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (69%)

Magenta (76%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8125, 0.1815, 0.1012 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 10.8125, 0.1815, 0.1012 by changing the saturation by 10% instead.

 10.8125, 0.1815,
0.1012

 10.8125, 0.1815,
0.1012

196.3766, 0.2567,
0.2087

 5.9409, 0.1620,
0.0798

 27.3129, 0.2099,
0.1368

 2.8092, 0.1376,
0.0564

 39.7105, 0.2204,
0.1514

 1.0329, 0.1075,
0.0325

 55.3856, 0.2291,
0.1641

 0.0000, 0.0726,
0.0000

 74.7225, 0.2364,
0.1753

 0.0000, 0.0224,
0.0000

 98.1057, 0.2427,
0.1852

 0.0000, 0.0000,
0.0000

 125.9195, 0.2480,

0.1939

158.5484, 0.2526,
0.2017

■ 10.8125, 0.1815,
0.1012

■ 10.8125, 0.1815,
0.1012

■ 8.0928, 0.1672,
0.0799

■ 14.8664, 0.1992,
0.1293

■ 6.5340, 0.1574,
0.0667

■ 20.3975, 0.2189,
0.1618

■ 5.9828, 0.1533,
0.0618

■ 27.5311, 0.2391,
0.1964

■ 36.3787, 0.2588,
0.2308

■ 47.0420, 0.2771,
0.2634

■ 59.6147, 0.2935,
0.2934

■ 74.1839, 0.3080,
0.3202

■ 90.8315, 0.3206,
0.3439

■ 98.5474, 0.3268,
0.3523

Harmonies

Analogous

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



10.8125, 0.0916, 0.0880



10.8125, 0.1815, 0.1012



10.8125, 0.3628, 0.1460

Triad

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



10.8125, 0.1815, 0.1012



10.8125, 0.6112, 0.3888



10.8125, 0.0735, 0.3927

Complementary

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



10.8125, 0.1815, 0.1012



71.4767, 0.3949, 0.4988

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.



10.8125, 0.1632, 0.7122



10.8125, 0.1815, 0.1012



10.8125, 0.4640, 0.5360

Square

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



10.8125, 0.1815, 0.1012



10.8125, 0.6836, 0.2944



10.8125, 0.2979, 0.7021



10.8125, 0.0470, 0.1774

Rectangle

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



10.8125, 0.1815, 0.1012



10.8125, 0.5225, 0.1931



10.8125, 0.2979, 0.7021



10.8125, 0.0957, 0.5086

Sweetspot

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



10.8127, 0.1815, 0.1012



61.0193, 0.2796, 0.2680



54.8397, 0.2253, 0.3059



12.2118, 0.2748, 0.2594



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.



10.8127, 0.1815, 0.1012



9.0069, 0.1618, 0.0724



16.8962, 0.2490, 0.1349



13.9635, 0.2997, 0.3048



3.3815, 0.1540, 0.0622



0.2756, 0.1633, 0.0673

Inverse Universe

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



25.0826, 0.3412, 0.1840



27.9355, 0.3473, 0.1732



62.1367, 0.3345, 0.5404



14.5862, 0.3155, 0.3084



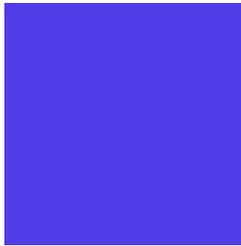
12.0156, 0.3510, 0.1707



0.8958, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 10.8125, 0.1815, 0.1012 looks on a white background.

Color Contrast Check

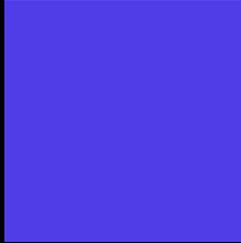
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8125, 0.1815, 0.1012 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 10.8125, 0.1815, 0.1012

Background



This preview shows how black text looks on a background with the Yxy color 10.8125, 0.1815, 0.1012.



This preview shows how white text looks on a background with the Yxy color 10.8125, 0.1815, 0.1012.

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

10.8125, 0.1815, 0.1012

Protanopia

10.7326, 0.1749, 0.1497

Deuteranopia

10.7225, 0.1866, 0.1917



Tritanopia

10.6069, 0.2194, 0.3098

Trichromacy



Original Color

10.8125, 0.1815, 0.1012

Protanomaly

10.1650, 0.1718, 0.1240

Deuteranomaly

9.9929, 0.1776, 0.1424

Tritanomaly

9.3775, 0.1915, 0.1858

Monochromacy



Original Color

10.8125, 0.1815, 0.1012

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.0567, 0.2405, 0.1985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8125, 0.1815, 0.1012 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(80, 61, 231)` looks like.

```
.text, #text, p{  
  color:rgb(80, 61, 231)  
}
```

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(80, 61, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 61, 231) }
```

Border

The CSS property to change the border of an element to Yxy 10.8125, 0.1815, 0.1012 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(80, 61, 231) }
```

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

```
.border{ border-color:rgb(80, 61, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 61, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 61, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 61, 231);  
box-shadow:4px 4px 4px 4px rgb(80, 61,  
231) }
```

Background

The CSS property to change the background color of an element to Yxy 10.8125, 0.1815, 0.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 61, 231) }
```

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

```
.background{ background-color: rgb(80, 61,  
231) }
```

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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