

Converting Colors

$Y_{xy}(28.1244, 0.2810, 0.2035)$

Have a look what the booklet for
Yxy(28.1244, 0.2810, 0.2035)
contains.

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Color

Yxy(28.1915, 0.2816, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	B776DC
RGB	183, 118, 220
RGB Percent	72%, 46%, 86%
CMY	0.2825, 0.5371, 0.1373
CMYK	0.17, 0.46, 0.00, 0.14
HSL	278°, 59%, 66%
HSV	278°, 46%, 86%
XYZ	38.9153, 28.1915, 71.0868
YIQ	149.0630, 5.9980, 45.5020

Conversions

Conversions Part 2

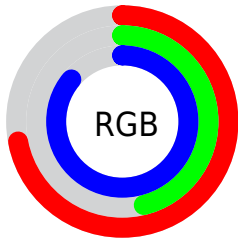
Format	Color
RYB	183, 118, 220
Decimal	12023516
CIELab	60.06, 43.43, -42.36
CIELCh	60, 60.666, 315.710
Yxy	28.1915, 0.2816, 0.2040
Android (android.graphics.Color)	4290213596 (0xFFB776DC)
YUV	149.0630, 34.9719, 29.7627
Hunter-Lab	53.0957, 37.9103, -42.2131

Details

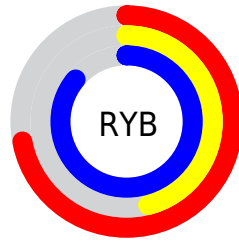
The Yxy color **28.1915, 0.2816, 0.2040** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.4589, 0.3305, 0.4637**, and the grayscale version is **29.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4258, 0.3054, 0.2451**, and **11.2838, 0.2698, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **22.6485, 0.2724, 0.1774**, and if you desaturate by 10%, it is **35.0005, 0.2900, 0.2319**.

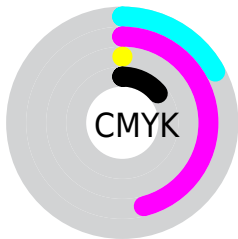
Distribution



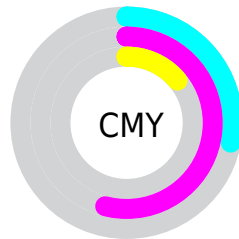
- Red (72%)
- Green (46%)
- Blue (86%)



- Red (72%)
- Yellow (46%)
- Blue (86%)



- Cyan (17%)
- Magenta (46%)
- Yellow (0%)
- Black (14%)





- Cyan (28%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1915, 0.2816, 0.2040 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 28.1915, 0.2816, 0.2040 by changing the saturation by 10% instead.


 28.1915, 0.2816,
0.2040


 28.1915, 0.2816,
0.2040

293.3808, 0.2999,
0.2645


 18.4701, 0.2763,
0.1899


 56.7900, 0.2889,
0.2253

 11.2880, 0.2690,
0.1724


 76.4359, 0.2914,
0.2335

 6.2609, 0.2589,
0.1505


 100.1588, 0.2935,
0.2405

 3.0044, 0.2438,
0.1225

128.3429, 0.2952,
0.2466

 1.1340, 0.2200,
0.0868

161.3728, 0.2967,
0.2519

 0.0068, 0.1883,
0.0012

199.6328, 0.2979,

 0.0000, 0.0071,

0.2566

0.0000

243.5074, 0.2990,
0.2608

0.0000, 0.0000,
0.0000

28.1915, 0.2816,
0.2040

28.1915, 0.2816,
0.2040

22.6485, 0.2724,
0.1774

35.0005, 0.2900,
0.2319

18.2820, 0.2627,
0.1534

43.1498, 0.2975,
0.2600

14.9958, 0.2528,
0.1333


52.7122, 0.3041,
0.2874


12.6765, 0.2430,
0.1178


63.7540, 0.3096,
0.3134


11.1819, 0.2338,
0.1074


76.3371, 0.3143,
0.3376

 10.7501, 0.2305,
0.1044

 90.5202, 0.3182,
0.3599

 95.0157, 0.3229,
0.3643

 96.4361, 0.3281,
0.3637

 97.9187, 0.3333,
0.3631

Harmonies

Analogous

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



28.1915, 0.2043, 0.1856



28.1915, 0.2816, 0.2040



28.1915, 0.3835, 0.2460

Triad

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



28.1915, 0.2816, 0.2040



28.1915, 0.4788, 0.4406



28.1915, 0.1714, 0.3248

Complementary

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



28.1915, 0.2816, 0.2040



59.4589, 0.3305, 0.4637

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.



28.1915, 0.2302, 0.4382



28.1915, 0.2816, 0.2040



28.1915, 0.4072, 0.4999

Square

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



28.1915, 0.2816, 0.2040



28.1915, 0.5079, 0.3711



28.1915, 0.3169, 0.5106



28.1915, 0.1496, 0.2383

Rectangle

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



28.1915, 0.2816, 0.2040



28.1915, 0.4479, 0.2838



28.1915, 0.3169, 0.5106



28.1915, 0.1869, 0.3620

Sweetspot

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



28.1927, 0.2816, 0.2040



76.9233, 0.3054, 0.2933



32.6003, 0.2348, 0.2378



15.7840, 0.3041, 0.2875



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.



28.1927, 0.2816, 0.2040



31.5691, 0.2723, 0.1771



32.6519, 0.3316, 0.2295



13.0262, 0.3080, 0.3055



6.3753, 0.2318, 0.1051



0.4611, 0.2464, 0.1131

Inverse Universe

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



30.5452, 0.3911, 0.2850



35.5749, 0.4183, 0.2768



56.6857, 0.2987, 0.4551



13.1293, 0.3235, 0.3205



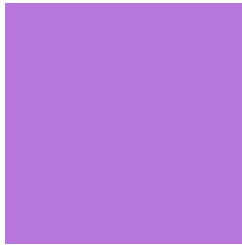
9.2884, 0.5514, 0.2811



0.6180, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 28.1915, 0.2816, 0.2040 looks on a white background.

Color Contrast Check

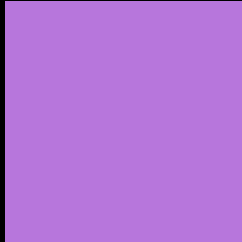
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.1915, 0.2816, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

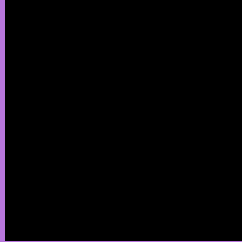
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1915, 0.2816, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 28.1915, 0.2816, 0.2040.



This preview shows how white text looks on a background with the Yxy color 28.1915, 0.2816, 0.2040.

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

28.1915, 0.2816, 0.2040

Protanopia

28.6399, 0.2126, 0.1948

Deuteranopia

28.4302, 0.2319, 0.2259



Tritanopia

28.0612, 0.3416, 0.3128

Trichromacy



Original Color

28.1915, 0.2816, 0.2040



Protanomaly

27.6448, 0.2322, 0.1959



Deuteranomaly

27.8267, 0.2468, 0.2157



Tritanomaly

27.8316, 0.3178, 0.2674

Monochromacy



Original Color

28.1915, 0.2816, 0.2040



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.8492, 0.3007, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1915, 0.2816, 0.2040 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(183, 118, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 118, 220)  
}
```

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(183, 118, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 118, 220) }
```

Border

The CSS property to change the border of an element to Yxy 28.1915, 0.2816, 0.2040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

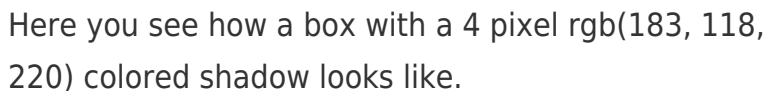
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 118, 220) }
```

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

```
.border{ border-color:rgb(183, 118, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 118, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 118, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 118, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 118,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1915, 0.2816, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 118, 220) }
```

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

```
.background{ background-color: rgb(183,  
118, 220) }
```

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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