

Converting Colors

$Y_{xy}(20.7249, 0.3018, 0.1891)$

Have a look what the booklet for
Yxy(20.7249, 0.3018, 0.1891)
contains.

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Color

Yxy(20.6415, 0.3017, 0.1889)

Conversions

Conversions Part 1

Format	Color
Hex	B755C6
RGB	183, 85, 198
RGB Percent	72%, 33%, 78%
CMY	0.2824, 0.6666, 0.2236
CMYK	0.08, 0.57, 0.00, 0.22
HSL	292°, 50%, 55%
HSV	292°, 57%, 78%
XYZ	32.9674, 20.6415, 55.6632
YIQ	127.1840, 22.1350, 55.9190

Conversions

Conversions Part 2

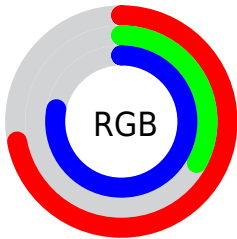
Format	Color
RYB	183, 85, 198
Decimal	12015046
CIELab	52.55, 55.81, -41.72
CIELCh	53, 69.681, 323.220
Yxy	20.6415, 0.3017, 0.1889
Android (android.graphics.Color)	4290205126 (0xFFB755C6)
YUV	127.1840, 34.9123, 48.9506
Hunter-Lab	45.4329, 50.0170, -40.8375

Details

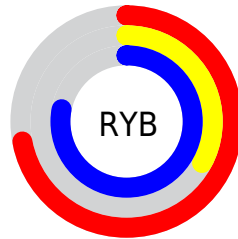
The Yxy color **20.6415, 0.3017, 0.1889** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **43.7468, 0.3133, 0.5061**, and the grayscale version is **21.1636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3860, 0.3059, 0.2136**, and **7.3562, 0.2921, 0.1513** is the 20% darker color. If you saturate the color by 10%, you get **17.6294, 0.2986, 0.1698**, and if you desaturate by 10%, it is **24.5333, 0.3045, 0.2111**.

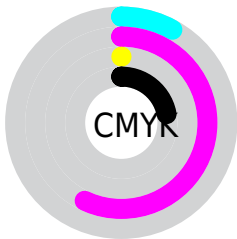
Distribution



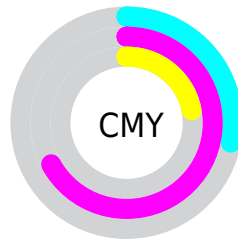
- Red (72%)
- Green (33%)
- Blue (78%)



- Red (72%)
- Yellow (33%)
- Blue (78%)



- Cyan (8%)
- Magenta (57%)
- Yellow (0%)
- Black (22%)





- Cyan (28%)
- Magenta (67%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6415, 0.3017, 0.1889 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 20.6415, 0.3017, 0.1889 by changing the saturation by 10% instead.


 20.6415, 0.3017,
0.1889


 20.6415, 0.3017,
0.1889


255.3671, 0.3108,
0.2584

 12.8622, 0.2982,
0.1723


 44.4901, 0.3059,
0.2137

 7.3337, 0.2929,
0.1516


 61.3282, 0.3072,
0.2232

 3.6717, 0.2846,
0.1256


 81.9548, 0.3082,
0.2313

 1.4917, 0.2706,
0.0927

 106.7541, 0.3090,
0.2382

 0.2828, 0.2493,
0.0370

136.1105, 0.3096,
0.2442

 0.0000, 0.1911,
0.0000

170.4086, 0.3101,

 0.0000, 0.0000,

0.2495

0.0000

210.0327, 0.3105,
0.2542

■ 20.6415, 0.3017,
0.1889

■ 20.6415, 0.3017,
0.1889

■ 17.6294, 0.2986,
0.1698

■ 24.5333, 0.3045,
0.2111

■ 15.4197, 0.2953,
0.1546

■ 29.3685, 0.3069,
0.2355

■ 13.9257, 0.2919,
0.1439

■ 35.2076, 0.3090,
0.2610

■ 13.0287, 0.2885,
0.1373

■ 42.1056, 0.3106,
0.2867

■ 12.8150, 0.2875,
0.1357

■ 50.1133, 0.3120,
0.3119

■ 59.2784, 0.3130,
0.3359

■ 69.6456, 0.3137,
0.3586

■ 81.2574, 0.3142,
0.3796

■ 88.8098, 0.3151,
0.3909

Harmonies

Analogous

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



20.6415, 0.1991, 0.1605



20.6415, 0.3017, 0.1889



20.6415, 0.4338, 0.2428

Triad

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



20.6415, 0.3017, 0.1889



20.6415, 0.4892, 0.4740



20.6415, 0.1307, 0.2861

Complementary

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



20.6415, 0.3017, 0.1889



43.7468, 0.3133, 0.5061

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.



20.6415, 0.1853, 0.4341



20.6415, 0.3017, 0.1889



20.6415, 0.3910, 0.5513

Square

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



20.6415, 0.3017, 0.1889



20.6415, 0.5491, 0.3887



20.6415, 0.2815, 0.5549



20.6415, 0.1186, 0.1970

Rectangle

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



20.6415, 0.3017, 0.1889



20.6415, 0.5089, 0.2880



20.6415, 0.2815, 0.5549



20.6415, 0.1436, 0.3305

Sweetspot

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



20.6424, 0.3017, 0.1889



74.3175, 0.3106, 0.2862



15.1375, 0.2079, 0.1701



15.3419, 0.3103, 0.2810



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.



20.6424, 0.3017, 0.1889



30.3489, 0.2980, 0.1665



20.9223, 0.3723, 0.2390



10.7425, 0.3117, 0.3061



8.3622, 0.2879, 0.1360



0.4163, 0.2952, 0.1400

Inverse Universe

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



19.4231, 0.4610, 0.3105



28.2463, 0.5124, 0.3095



43.8308, 0.2817, 0.4452



10.6595, 0.3269, 0.3260



7.8643, 0.6213, 0.3196



0.3801, 0.5745, 0.2939

Previews

White Background



This preview shows how the Yxy color 20.6415, 0.3017, 0.1889 looks on a white background.

Color Contrast Check

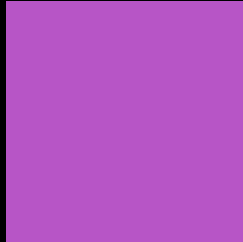
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6415, 0.3017, 0.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

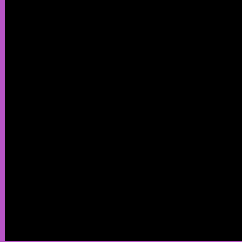
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6415, 0.3017, 0.1889

Background



This preview shows how black text looks on a background with the Yxy color 20.6415, 0.3017, 0.1889.



This preview shows how white text looks on a background with the Yxy color 20.6415, 0.3017, 0.1889.

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

20.6415, 0.3017, 0.1889

Protanopia

21.0675, 0.1929, 0.1684

Deuteranopia

20.8617, 0.2270, 0.2207



Tritanopia

20.5239, 0.3918, 0.3171

Trichromacy



Original Color

20.6415, 0.3017, 0.1889



Protanomaly

19.4196, 0.2170, 0.1698



Deuteranomaly

19.5589, 0.2477, 0.2013



Tritanomaly

20.1981, 0.3572, 0.2626

Monochromacy



Original Color

20.6415, 0.3017, 0.1889



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0913, 0.3084, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6415, 0.3017, 0.1889 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, 85, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 85, 198)  
}
```

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, 85, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 85, 198) }
```

Border

The CSS property to change the border of an element to Yxy 20.6415, 0.3017, 0.1889 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, 85, 198) }
```

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

```
.border{ border-color:rgb(183, 85, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 85, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 85, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 85, 198);  
box-shadow:4px 4px 4px 4px rgb(183, 85,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6415, 0.3017, 0.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 85, 198) }
```

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

```
.background{ background-color: rgb(183, 85,  
198) }
```

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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