

Converting Colors

$Y_{xy}(20.0282, 0.3033, 0.1775)$

Have a look what the booklet for
Yxy(20.0282, 0.3033, 0.1775)
contains.

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Color

Yxy(20.0282, 0.3033, 0.1775)

Conversions

Conversions Part 1

Format	Color
Hex	BD4ACB
RGB	189, 74, 203
RGB Percent	74%, 29%, 80%
CMY	0.2587, 0.7099, 0.2038
CMYK	0.07, 0.64, 0.00, 0.20
HSL	293°, 55%, 54%
HSV	293°, 64%, 80%
XYZ	34.2228, 20.0282, 58.5839
YIQ	123.0910, 27.1310, 64.4990

Conversions

Conversions Part 2

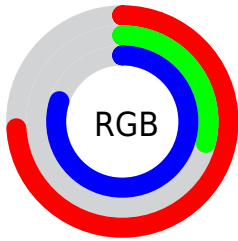
Format	Color
RYB	189, 74, 203
Decimal	12405451
CIELab	51.87, 63.17, -45.65
CIELCh	52, 77.940, 324.145
Yxy	20.0282, 0.3033, 0.1775
Android (android.graphics.Color)	4290595531 (0xFFBD4ACB)
YUV	123.0910, 39.3951, 57.8022
Hunter-Lab	44.7529, 58.1826, -46.2867

Details

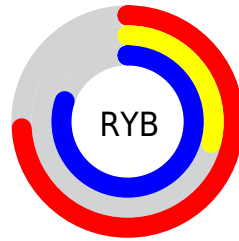
The Yxy color **20.0282, 0.3033, 0.1775** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **45.2960, 0.3105, 0.5284**, and the grayscale version is **19.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1417, 0.3122, 0.2080**, and **7.0437, 0.2943, 0.1395** is the 20% darker color. If you saturate the color by 10%, you get **17.4633, 0.3008, 0.1614**, and if you desaturate by 10%, it is **23.4735, 0.3056, 0.1973**.

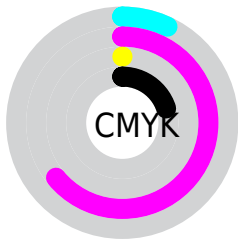
Distribution



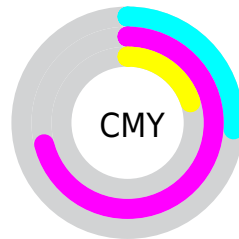
- Red (74%)
- Green (29%)
- Blue (80%)



- Red (74%)
- Yellow (29%)
- Blue (80%)



- Cyan (7%)
- Magenta (64%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (71%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0282, 0.3033, 0.1775 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 20.0282, 0.3033, 0.1775 by changing the saturation by 10% instead.


 20.0282, 0.3033,
0.1775


 20.0282, 0.3033,
0.1775


252.0677, 0.3121,
0.2516


 12.4155, 0.2997,
0.1602


 43.4645, 0.3075,
0.2037


 7.0273, 0.2943,
0.1389


 60.0569, 0.3088,
0.2138


 3.4792, 0.2857,
0.1126


 80.4113, 0.3098,
0.2224

 1.3867, 0.2712,
0.0803

 104.9121, 0.3105,
0.2298

 0.2069, 0.2498,
0.0247

 133.9438, 0.3111,
0.2363

 0.0000, 0.1954,
0.0000

167.8907, 0.3115,

 0.0000, 0.0000,

0.2421

0.0000

207.1372, 0.3119,
0.2471

■ 20.0282, 0.3033,
0.1775

■ 20.0282, 0.3033,
0.1775

■ 17.4633, 0.3008,
0.1614

■ 23.4735, 0.3056,
0.1973

■ 15.6886, 0.2981,
0.1496

■ 27.8728, 0.3076,
0.2200

■ 14.5989, 0.2953,
0.1422

■ 33.2946, 0.3093,
0.2446

■ 14.1374, 0.2935,
0.1391

■ 39.8008, 0.3107,
0.2701

■ 47.4480, 0.3117,
0.2956

■ 56.2892, 0.3125,
0.3204

■ 66.3736, 0.3130,
0.3441

■ 77.7481, 0.3134,
0.3662

■ 89.3683, 0.3136,
0.3850

Harmonies

Analogous

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



20.0282, 0.1900, 0.1466



20.0282, 0.3033, 0.1775



20.0282, 0.4527, 0.2353

Triad

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



20.0282, 0.3033, 0.1775



20.0282, 0.4972, 0.4827



20.0282, 0.1127, 0.2736

Complementary

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



20.0282, 0.3033, 0.1775



45.2960, 0.3105, 0.5284

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.



20.0282, 0.1670, 0.4427



20.0282, 0.3033, 0.1775



20.0282, 0.3868, 0.5754

Square

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



20.0282, 0.3033, 0.1775



20.0282, 0.5704, 0.3884



20.0282, 0.2687, 0.5865



20.0282, 0.1030, 0.1803

Rectangle

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



20.0282, 0.3033, 0.1775



20.0282, 0.5361, 0.2831



20.0282, 0.2687, 0.5865



20.0282, 0.1251, 0.3226

Sweetspot

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



20.0291, 0.3033, 0.1775



71.9043, 0.3111, 0.2811



12.9169, 0.1948, 0.1464



14.6223, 0.3108, 0.2737



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.



20.0291, 0.3033, 0.1775



28.0659, 0.2999, 0.1569



19.9131, 0.3855, 0.2335



11.3395, 0.3121, 0.3060



9.0177, 0.2939, 0.1393



0.4833, 0.2995, 0.1424

Inverse Universe

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



18.2988, 0.4941, 0.3134



25.2316, 0.5540, 0.3145



45.6244, 0.2789, 0.4579



11.2331, 0.3273, 0.3265



8.1236, 0.6259, 0.3222



0.4259, 0.5876, 0.3010

Previews

White Background



This preview shows how the Yxy color 20.0282, 0.3033, 0.1775 looks on a white background.

Color Contrast Check

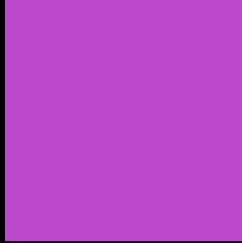
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0282, 0.3033, 0.1775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

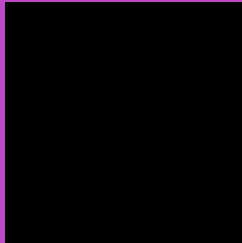
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0282, 0.3033, 0.1775

Background



This preview shows how black text looks on a background with the Yxy color 20.0282, 0.3033, 0.1775.



This preview shows how white text looks on a background with the Yxy color 20.0282, 0.3033, 0.1775.

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

20.0282, 0.3033, 0.1775

Protanopia

20.5995, 0.1797, 0.1518

Deuteranopia

20.2888, 0.2189, 0.2137



Tritanopia

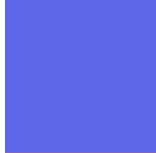
19.9540, 0.4099, 0.3189

Trichromacy



Original Color

20.0282, 0.3033, 0.1775



Protanomaly

17.8497, 0.1999, 0.1493



Deuteranomaly

18.5502, 0.2409, 0.1910



Tritanomaly

19.4612, 0.3684, 0.2575

Monochromacy



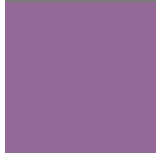
Original Color

20.0282, 0.3033, 0.1775



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5732, 0.3099, 0.2530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0282, 0.3033, 0.1775 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(189, 74, 203)` looks like.

```
.text, #text, p{  
    color:rgb(189, 74, 203)  
}
```

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(189, 74, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 74, 203) }
```

Border

The CSS property to change the border of an element to Yxy 20.0282, 0.3033, 0.1775 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(189, 74, 203) }
```

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

```
.border{ border-color:rgb(189, 74, 203) }
```

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

Here you see how a box with a 4 pixel rgb(189, 74, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 74, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 74, 203);  
box-shadow:4px 4px 4px 4px rgb(189, 74,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0282, 0.3033, 0.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 74, 203) }
```

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

```
.background{ background-color: rgb(189, 74,  
203) }
```

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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