

Converting Colors

$Y_{xy}(18.2209, 0.3043, 0.1753)$

Have a look what the booklet for
Yxy(18.2209, 0.3043, 0.1753)
contains.

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Color

Yxy(18.1870, 0.3040, 0.1752)

Conversions

Conversions Part 1

Format	Color
Hex	B744C4
RGB	183, 68, 196
RGB Percent	72%, 27%, 77%
CMY	0.2824, 0.7333, 0.2314
CMYK	0.07, 0.65, 0.00, 0.23
HSL	294°, 52%, 52%
HSV	294°, 65%, 77%
XYZ	31.5574, 18.1870, 54.0627
YIQ	116.9770, 27.4520, 64.1880

Conversions

Conversions Part 2

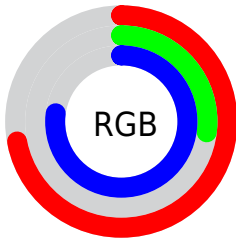
Format	Color
R _Y B	183, 68, 196
Decimal	12010692
CIE Lab	49.72, 62.94, -45.06
CIE LCh	50, 77.405, 324.402
Yxy	18.1870, 0.3040, 0.1752
Android (android.graphics.Color)	4290200772 (0xFFB744C4)
YUV	116.9770, 38.9583, 57.9022
Hunter-Lab	42.6462, 57.4556, -45.3097

Details

The Yxy color **18.1870, 0.3040, 0.1752** 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 **41.6401, 0.3097, 0.5335**, and the grayscale version is **17.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3844, 0.3087, 0.2025**, and **6.3886, 0.2933, 0.1389** is the 20% darker color. If you saturate the color by 10%, you get **15.9577, 0.3017, 0.1600**, and if you desaturate by 10%, it is **21.2135, 0.3061, 0.1943**.

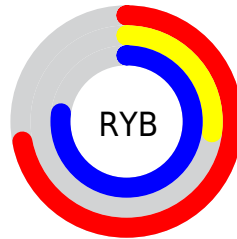
Distribution



Red (72%)

Green (27%)

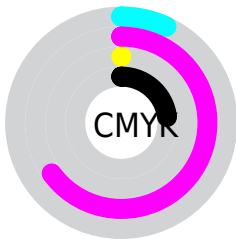
Blue (77%)



Red (72%)

Yellow (27%)

Blue (77%)

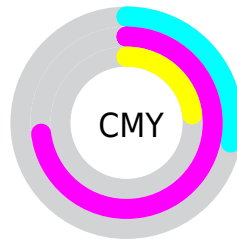


Cyan (7%)

Magenta (65%)

Yellow (0%)

Black (23%)



Cyan (28%)


Magenta (73%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1870, 0.3040, 0.1752 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 18.1870, 0.3040, 0.1752 by changing the saturation by 10% instead.


 18.1870, 0.3040,
0.1752


 18.1870, 0.3040,
0.1752


241.9230, 0.3127,
0.2514


 11.0843, 0.3003,
0.1572


 40.3557, 0.3083,
0.2023


 6.1236, 0.2946,
0.1350


 56.1905, 0.3095,
0.2127

 2.9204, 0.2854,
0.1074


 75.7049, 0.3104,
0.2216

 1.0903, 0.2696,
0.0736

 99.2831, 0.3111,
0.2292

 0.0000, 0.2492,
0.0000

 127.3096, 0.3117,
0.2358

 0.0000, 0.1679,
0.0000

160.1689, 0.3121,

 0.0000, 0.0000,

0.2417

0.0000

198.2452, 0.3124,
0.2468

■ 18.1870, 0.3040,
0.1752

■ 18.1870, 0.3040,
0.1752

■ 15.9577, 0.3017,
0.1600

■ 21.2135, 0.3061,
0.1943

■ 14.4407, 0.2992,
0.1490

■ 25.1060, 0.3080,
0.2164

■ 13.5357, 0.2966,
0.1424

■ 29.9287, 0.3095,
0.2406

■ 13.2261, 0.2954,
0.1401

■ 35.7390, 0.3108,
0.2659

■ 42.5896, 0.3117,
0.2913

■ 50.5294, 0.3124,
0.3162

■ 59.6045, 0.3129,
0.3400

■ 69.8581, 0.3132,
0.3624

■ 81.3310, 0.3133,
0.3832

Harmonies

Analogous

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



18.1870, 0.1883, 0.1437



18.1870, 0.3040, 0.1752



18.1870, 0.4573, 0.2338

Triad

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



18.1870, 0.3040, 0.1752



18.1870, 0.4988, 0.4850



18.1870, 0.1089, 0.2704

Complementary

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



18.1870, 0.3040, 0.1752



41.6401, 0.3097, 0.5335

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.



18.1870, 0.1629, 0.4440



18.1870, 0.3040, 0.1752



18.1870, 0.3853, 0.5806

Square

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



18.1870, 0.3040, 0.1752



18.1870, 0.5746, 0.3883



18.1870, 0.2654, 0.5934



18.1870, 0.0998, 0.1766

Rectangle

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



18.1870, 0.3040, 0.1752



18.1870, 0.5423, 0.2821



18.1870, 0.2654, 0.5934



18.1870, 0.1211, 0.3204

Sweetspot

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



18.1878, 0.3040, 0.1752



70.6973, 0.3113, 0.2786



11.3922, 0.1919, 0.1416



14.3908, 0.3110, 0.2713



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.



18.1878, 0.3040, 0.1752



27.6887, 0.3007, 0.1551



17.9741, 0.3881, 0.2319



10.1939, 0.3122, 0.3062



8.5214, 0.2958, 0.1403



0.3835, 0.3017, 0.1436

Inverse Universe

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



16.4638, 0.5026, 0.3145



24.6238, 0.5643, 0.3160



41.9887, 0.2786, 0.4617



10.0941, 0.3273, 0.3267



7.5791, 0.6268, 0.3226



0.3332, 0.5858, 0.3001

Previews

White Background



This preview shows how the Yxy color 18.1870, 0.3040, 0.1752 looks on a white background.

Color Contrast Check

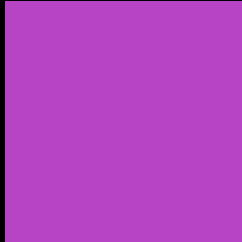
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1870, 0.3040, 0.1752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

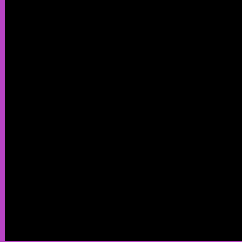
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1870, 0.3040, 0.1752

Background



This preview shows how black text looks on a background with the Yxy color 18.1870, 0.3040, 0.1752.



This preview shows how white text looks on a background with the Yxy color 18.1870, 0.3040, 0.1752.

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

18.1870, 0.3040, 0.1752

Protanopia

18.5797, 0.1761, 0.1469

Deuteranopia

18.5308, 0.2177, 0.2128



Tritanopia

18.0029, 0.4146, 0.3186

Trichromacy



Original Color

18.1870, 0.3040, 0.1752



Protanomaly

15.7795, 0.1936, 0.1431



Deuteranomaly

16.6836, 0.2401, 0.1878



Tritanomaly

17.5757, 0.3709, 0.2554

Monochromacy



Original Color

18.1870, 0.3040, 0.1752



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6617, 0.3097, 0.2501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1870, 0.3040, 0.1752 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, 68, 196)` looks like.

```
.text, #text, p{  
    color:rgb(183, 68, 196)  
}
```

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, 68, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 68, 196) }
```

Border

The CSS property to change the border of an element to Yxy 18.1870, 0.3040, 0.1752 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, 68, 196) }
```

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

```
.border{ border-color:rgb(183, 68, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 68, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 68, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 68, 196);  
box-shadow:4px 4px 4px 4px rgb(183, 68,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1870, 0.3040, 0.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 68, 196) }
```

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

```
.background{ background-color: rgb(183, 68,  
196) }
```

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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