

Converting Colors

$Y_{xy}(18.1388, 0.3027, 0.1670)$

Have a look what the booklet for
Yxy(18.1388, 0.3027, 0.1670)
contains.

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Color

Yxy(18.0608, 0.3021, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	BB3CCA
RGB	187, 60, 202
RGB Percent	73%, 24%, 79%
CMY	0.2667, 0.7647, 0.2078
CMYK	0.07, 0.70, 0.00, 0.21
HSL	294°, 57%, 51%
HSV	294°, 70%, 79%
XYZ	32.7698, 18.0608, 57.6427
YIQ	114.1610, 30.1100, 71.0860

Conversions

Conversions Part 2

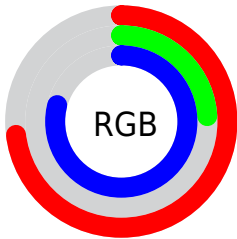
Format	Color
R_{YB}	187, 60, 202
Decimal	12270794
CIE _{Lab}	49.57, 67.97, -48.74
CIE _{LCh}	50, 83.643, 324.357
Yxy	18.0608, 0.3021, 0.1665
Android (android.graphics.Color)	4290460874 (0xFFBB3CCA)
YUV	114.1610, 43.3046, 63.8798
Hunter-Lab	42.4980, 63.2680, -50.6701

Details

The Yxy color **18.0608, 0.3021, 0.1665** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **44.0695, 0.3090, 0.5482**, and the grayscale version is **16.7403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7697, 0.3107, 0.1976**, and **6.8524, 0.2924, 0.1385** is the 20% darker color. If you saturate the color by 10%, you get **16.0661, 0.2995, 0.1533**, and if you desaturate by 10%, it is **20.8685, 0.3045, 0.1838**.

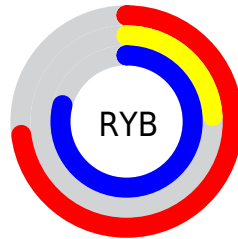
Distribution



Red (73%)

Green (24%)

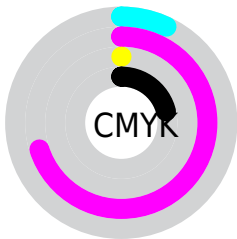
Blue (79%)



Red (73%)

Yellow (24%)

Blue (79%)

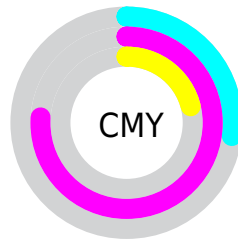


Cyan (7%)

Magenta (70%)

Yellow (0%)

Black (21%)



Cyan (27%)


Magenta (76%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0608, 0.3021, 0.1665 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 18.0608, 0.3021, 0.1665 by changing the saturation by 10% instead.


 18.0608, 0.3021,
0.1665


 18.0608, 0.3021,
0.1665


241.2135, 0.3123,
0.2459


 10.9936, 0.2979,
0.1481


 40.1409, 0.3070,
0.1945


 6.0626, 0.2916,
0.1258


 55.9226, 0.3085,
0.2053

 2.8832, 0.2815,
0.0985


 75.3780, 0.3096,
0.2145

 1.0710, 0.2646,
0.0659

 98.8915, 0.3104,
0.2225

 0.0000, 0.2418,
0.0000

 126.8473, 0.3110,
0.2295

 0.0000, 0.1721,
0.0000

159.6300, 0.3115,

 0.0000, 0.0000,

0.2356

0.0000

197.6240, 0.3119,
0.2411

■ 18.0608, 0.3021,
0.1665

■ 18.0608, 0.3021,
0.1665

■ 16.0661, 0.2995,
0.1533

■ 20.8685, 0.3045,
0.1838

■ 14.7846, 0.2969,
0.1445

■ 24.5693, 0.3066,
0.2046

■ 14.0461, 0.2943,
0.1395

■ 29.2361, 0.3084,
0.2280

■ 34.9338, 0.3099,
0.2529

■ 41.7215, 0.3111,
0.2785

■ 49.6540, 0.3120,
0.3038

■ 58.7822, 0.3127,
0.3283

■ 69.1541, 0.3131,
0.3515

■ 80.8150, 0.3134,
0.3731

Harmonies

Analogous

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



18.0608, 0.1802, 0.1342



18.0608, 0.3021, 0.1665



18.0608, 0.4680, 0.2270

Triad

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



18.0608, 0.3021, 0.1665



18.0608, 0.5067, 0.4891



18.0608, 0.0977, 0.2638

Complementary

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



18.0608, 0.3021, 0.1665



44.0695, 0.3090, 0.5482

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.



18.0608, 0.1516, 0.4542



18.0608, 0.3021, 0.1665



18.0608, 0.3831, 0.5956

Square

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



18.0608, 0.3021, 0.1665



18.0608, 0.5890, 0.3845



18.0608, 0.2575, 0.6185



18.0608, 0.0896, 0.1664

Rectangle

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



18.0608, 0.3021, 0.1665



18.0608, 0.5597, 0.2764



18.0608, 0.2575, 0.6185



18.0608, 0.1095, 0.3175

Sweetspot

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



18.0616, 0.3021, 0.1665



69.4051, 0.3110, 0.2759



10.4744, 0.1831, 0.1266



14.1376, 0.3107, 0.2688



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.



18.0616, 0.3021, 0.1665



26.0062, 0.2983, 0.1485



17.9156, 0.3968, 0.2272



11.3412, 0.3121, 0.3060



9.0606, 0.2946, 0.1397



0.4851, 0.3001, 0.1427

Inverse Universe

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



16.2992, 0.5248, 0.3139



23.1960, 0.5872, 0.3173



44.4323, 0.2779, 0.4740



11.2326, 0.3274, 0.3266



8.1221, 0.6264, 0.3224



0.4257, 0.5888, 0.3017

Previews

White Background



This preview shows how the Yxy color 18.0608, 0.3021, 0.1665 looks on a white background.

Color Contrast Check

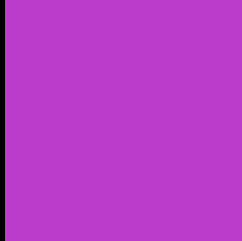
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0608, 0.3021, 0.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

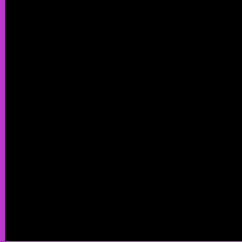
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0608, 0.3021, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 18.0608, 0.3021, 0.1665.



This preview shows how white text looks on a background with the Yxy color 18.0608, 0.3021, 0.1665.

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

18.0608, 0.3021, 0.1665

Protanopia

18.4454, 0.1737, 0.1454

Deuteranopia

18.4159, 0.2102, 0.2053



Tritanopia

17.9437, 0.4231, 0.3189

Trichromacy



Original Color

18.0608, 0.3021, 0.1665



Protanomaly

14.7804, 0.1850, 0.1350



Deuteranomaly

16.2983, 0.2317, 0.1775



Tritanomaly

17.4533, 0.3759, 0.2505

Monochromacy



Original Color

18.0608, 0.3021, 0.1665



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.7435, 0.3100, 0.2419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0608, 0.3021, 0.1665 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(187, 60, 202)` looks like.

```
.text, #text, p{  
    color:rgb(187, 60, 202)  
}
```

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(187, 60, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 60, 202) }
```

Border

The CSS property to change the border of an element to Yxy 18.0608, 0.3021, 0.1665 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(187, 60, 202) }
```

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

```
.border{ border-color:rgb(187, 60, 202) }
```

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

Here you see how a box with a 4 pixel rgb(187, 60, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 60, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 60, 202);  
box-shadow:4px 4px 4px 4px rgb(187, 60,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0608, 0.3021, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 60, 202) }
```

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

```
.background{ background-color: rgb(187, 60,  
202) }
```

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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