

Converting Colors

$Y_{xy}(17.6856, 0.3289, 0.1656)$

Have a look what the booklet for
Yxy(17.6856, 0.3289, 0.1656)
contains.

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Color

Yxy(17.6620, 0.3293, 0.1658)

Conversions

Conversions Part 1

Format	Color
Hex	CB1FC4
RGB	203, 31, 196
RGB Percent	80%, 12%, 77%
CMY	0.2040, 0.8782, 0.2314
CMYK	0.00, 0.85, 0.03, 0.20
HSL	302°, 73%, 46%
HSV	302°, 85%, 80%
XYZ	35.0790, 17.6620, 53.7849
YIQ	101.2380, 49.5470, 87.7790

Conversions

Conversions Part 2

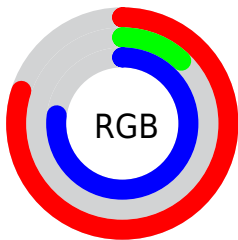
Format	Color
R _Y B	203, 31, 196
Decimal	13311940
CIE Lab	49.08, 78.12, -45.89
CIE LCh	49, 90.599, 329.570
Yxy	17.6620, 0.3293, 0.1658
Android (android.graphics.Color)	4291502020 (0xFFCB1FC4)
YUV	101.2380, 46.7177, 89.2453
Hunter-Lab	42.0262, 75.4470, -46.4608

Details

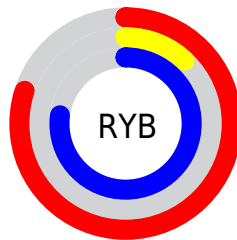
The Yxy color **17.6620, 0.3293, 0.1658** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **43.1368, 0.2993, 0.5798**, and the grayscale version is **12.9538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8546, 0.3211, 0.1907**, and **7.8524, 0.3261, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **16.8763, 0.3307, 0.1613**, and if you desaturate by 10%, it is **19.1164, 0.3276, 0.1746**.

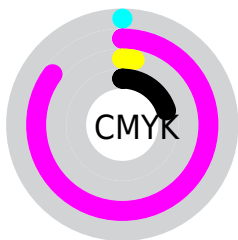
Distribution



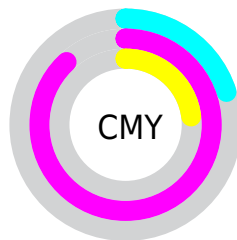
- Red (80%)
- Green (12%)
- Blue (77%)



- Red (80%)
- Yellow (12%)
- Blue (77%)



- Cyan (0%)
- Magenta (85%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (88%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6620, 0.3293, 0.1658 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 17.6620, 0.3293, 0.1658 by changing the saturation by 10% instead.


 17.6620, 0.3293,
0.1658


 17.6620, 0.3293,
0.1658


238.9589, 0.3249,
0.2454


 10.7076, 0.3289,
0.1474


 39.4605, 0.3288,
0.1938


 5.8706, 0.3275,
0.1250


 55.0735, 0.3282,
0.2046


 2.7665, 0.3239,
0.0977


 74.3413, 0.3277,
0.2139

 1.0111, 0.3156,
0.0650

 97.6486, 0.3271,
0.2219

 0.0000, 0.3060,
0.0000

 125.3795, 0.3265,
0.2289

 0.0000, 0.2545,
0.0000

 157.9187, 0.3260,

 0.0000, 0.0000,

0.2351

0.0000

195.6503, 0.3254,
0.2405

■ 17.6620, 0.3293,
0.1658

■ 17.6620, 0.3293,
0.1658

■ 16.8763, 0.3307,
0.1613

■ 19.1164, 0.3276,
0.1746

■ 16.6226, 0.3314,
0.1599

■ 21.3455, 0.3258,
0.1876

■ 24.4396, 0.3237,
0.2045

■ 28.4756, 0.3216,
0.2245

■ 33.5222, 0.3195,
0.2468

■ 39.6417, 0.3174,
0.2704

■ 46.8912, 0.3154,
0.2944

■ 55.3239, 0.3135,
0.3181

■ 64.9896, 0.3118,
0.3410

Harmonies

Analogous

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



17.6620, 0.1886, 0.1274



17.6620, 0.3293, 0.1658



17.6620, 0.5107, 0.2320

Triad

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



17.6620, 0.3293, 0.1658



17.6620, 0.4891, 0.5109



17.6620, 0.0816, 0.2309

Complementary

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



17.6620, 0.3293, 0.1658



43.1368, 0.2993, 0.5798

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.



17.6620, 0.1248, 0.4230



17.6620, 0.3293, 0.1658



17.6620, 0.3556, 0.6299

Square

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



17.6620, 0.3293, 0.1658



17.6620, 0.5934, 0.3963



17.6620, 0.2257, 0.6322



17.6620, 0.0810, 0.1456

Rectangle

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



17.6620, 0.3293, 0.1658



17.6620, 0.5971, 0.2831



17.6620, 0.2257, 0.6322



17.6620, 0.0901, 0.2815

Sweetspot

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



17.6628, 0.3293, 0.1658



65.6851, 0.3175, 0.2689



5.6834, 0.1611, 0.0761



13.2419, 0.3183, 0.2604



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.



17.6628, 0.3293, 0.1658



27.8307, 0.3316, 0.1600



14.8314, 0.4719, 0.2499



11.3956, 0.3144, 0.3071



10.5838, 0.3313, 0.1598



0.5485, 0.3291, 0.1586

Inverse Universe

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



17.6628, 0.3293, 0.1658



27.8307, 0.3316, 0.1600



44.4205, 0.2660, 0.4637



11.3956, 0.3144, 0.3071



10.5838, 0.3313, 0.1598



0.5485, 0.3291, 0.1586

Previews

White Background



This preview shows how the Yxy color 17.6620, 0.3293, 0.1658 looks on a white background.

Color Contrast Check

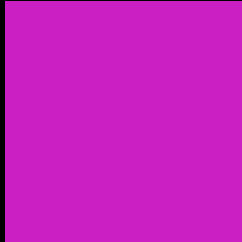
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6620, 0.3293, 0.1658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

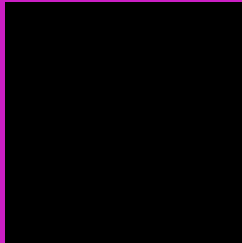
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6620, 0.3293, 0.1658

Background



This preview shows how black text looks on a background with the Yxy color 17.6620, 0.3293, 0.1658.



This preview shows how white text looks on a background with the Yxy color 17.6620, 0.3293, 0.1658.

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

17.6620, 0.3293, 0.1658

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.9747, 0.2181, 0.2118



Tritanopia

17.6331, 0.4784, 0.3231

Trichromacy



Original Color

17.6620, 0.3293, 0.1658



Protanomaly

13.0242, 0.1855, 0.1247



Deuteranomaly

14.6897, 0.2452, 0.1717



Tritanomaly

16.6635, 0.4238, 0.2518

Monochromacy



Original Color

17.6620, 0.3293, 0.1658



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.3497, 0.3206, 0.2261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6620, 0.3293, 0.1658 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(203, 31, 196)` looks like.

```
.text, #text, p{  
    color:rgb(203, 31, 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(203, 31, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 31, 196) }
```

Border

The CSS property to change the border of an element to Yxy 17.6620, 0.3293, 0.1658 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(203, 31, 196) }
```

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

```
.border{ border-color:rgb(203, 31, 196) }
```

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

Here you see how a box with a 4 pixel rgb(203, 31, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 31, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 31, 196);  
box-shadow:4px 4px 4px 4px rgb(203, 31,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6620, 0.3293, 0.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 31, 196) }
```

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

```
.background{ background-color: rgb(203, 31,  
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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