

Converting Colors

$Y_{xy}(17.6691, 0.3385, 0.1651)$

Have a look what the booklet for
Yxy(17.6691, 0.3385, 0.1651)
contains.

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Color

Yxy(17.6691, 0.3385, 0.1651)

Conversions

Conversions Part 1

Format	Color
Hex	D108C3
RGB	209, 8, 195
RGB Percent	82%, 3%, 76%
CMY	0.1805, 0.9679, 0.2353
CMYK	0.00, 0.96, 0.07, 0.18
HSL	304°, 92%, 43%
HSV	304°, 96%, 82%
XYZ	36.2265, 17.6691, 53.1250
YIQ	89.4170, 59.7690, 100.7690

Conversions

Conversions Part 2

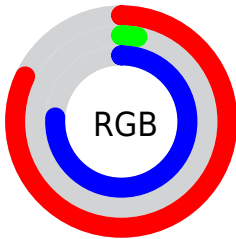
Format	Color
R_{YB}	209, 8, 195
Decimal	13699267
CIE _{Lab}	49.09, 81.95, -45.22
CIE _{LCh}	49, 93.600, 331.109
Yxy	17.6691, 0.3385, 0.1651
Android (android.graphics.Color)	4291889347 (0xFFD108C3)
YUV	89.4170, 52.0524, 104.8743
Hunter-Lab	42.0346, 80.2751, -45.5088

Details

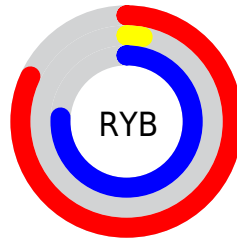
The Yxy color **17.6691, 0.3385, 0.1651** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **45.7029, 0.2988, 0.5926**, and the grayscale version is **9.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4727, 0.3223, 0.1869**, and **8.4071, 0.3363, 0.1626** is the 20% darker color. If you saturate the color by 10%, you get **17.4664, 0.3394, 0.1643**, and if you desaturate by 10%, it is **18.4414, 0.3362, 0.1687**.

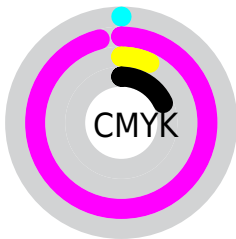
Distribution



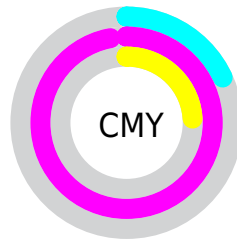
- Red (82%)
- Green (3%)
- Blue (76%)



- Red (82%)
- Yellow (3%)
- Blue (76%)



- Cyan (0%)
- Magenta (96%)
- Yellow (7%)
- Black (18%)




- Cyan (18%)
- Magenta (97%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6691, 0.3385, 0.1651 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 17.6691, 0.3385, 0.1651 by changing the saturation by 10% instead.


 17.6691, 0.3385,
0.1651


 17.6691, 0.3385,
0.1651


238.9993, 0.3292,
0.2448


 10.7127, 0.3394,
0.1467


 39.4727, 0.3361,
0.1931


 5.8740, 0.3397,
0.1244


 55.0886, 0.3349,
0.2039


 2.7686, 0.3384,
0.0972


 74.3598, 0.3338,
0.2132

 1.0122, 0.3335,
0.0646

 97.6708, 0.3327,
0.2213

 0.0000, 0.3292,
0.0000

 125.4058, 0.3317,
0.2283

 0.0000, 0.2846,
0.0000

 157.9493, 0.3308,

 0.0000, 0.0000,

0.2345

0.0000

195.6856, 0.3300,
0.2399

■ 17.6691, 0.3385,
0.1651

■ 17.6691, 0.3385,
0.1651

■ 17.4664, 0.3394,
0.1643

■ 18.4414, 0.3362,
0.1687

■ 19.9051, 0.3336,
0.1766

■ 22.1843, 0.3308,
0.1887

■ 25.3773, 0.3278,
0.2048

■ 29.5684, 0.3248,
0.2241

■ 34.8326, 0.3219,
0.2458

■ 41.2376, 0.3191,
0.2687

■ 48.8454, 0.3165,
0.2921

■ 57.7137, 0.3141,
0.3153

Harmonies

Analogous

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



17.6691, 0.1911, 0.1248



17.6691, 0.3385, 0.1651



17.6691, 0.5253, 0.2330

Triad

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



17.6691, 0.3385, 0.1651



17.6691, 0.4824, 0.5176



17.6691, 0.0764, 0.2204

Complementary

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



17.6691, 0.3385, 0.1651



45.7029, 0.2988, 0.5926

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.



17.6691, 0.1161, 0.4126



17.6691, 0.3385, 0.1651



17.6691, 0.3462, 0.6424

Square

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



17.6691, 0.3385, 0.1651



17.6691, 0.5955, 0.4002



17.6691, 0.2149, 0.6374



17.6691, 0.0779, 0.1389

Rectangle

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



17.6691, 0.3385, 0.1651



17.6691, 0.6095, 0.2844



17.6691, 0.2149, 0.6374



17.6691, 0.0838, 0.2699

Sweetspot

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



17.6700, 0.3385, 0.1651



61.2206, 0.3200, 0.2612



4.9460, 0.1538, 0.0638



12.1831, 0.3212, 0.2513



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.



17.6700, 0.3385, 0.1651



27.3880, 0.3396, 0.1644



14.5601, 0.5155, 0.2638



11.9942, 0.3148, 0.3077



10.7776, 0.3391, 0.1642



0.6070, 0.3354, 0.1621

Inverse Universe

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



17.6700, 0.3385, 0.1651



27.3880, 0.3396, 0.1644



47.0487, 0.2653, 0.4726



11.9942, 0.3148, 0.3077



10.7776, 0.3391, 0.1642



0.6070, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 17.6691, 0.3385, 0.1651 looks on a white background.

Color Contrast Check

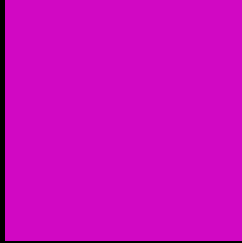
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6691, 0.3385, 0.1651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

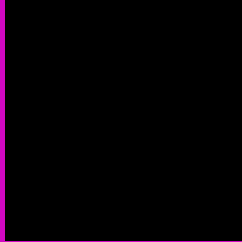
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6691, 0.3385, 0.1651

Background



This preview shows how black text looks on a background with the Yxy color 17.6691, 0.3385, 0.1651.



This preview shows how white text looks on a background with the Yxy color 17.6691, 0.3385, 0.1651.

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

17.6691, 0.3385, 0.1651

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.2606, 0.2217, 0.2167



Tritanopia

17.9227, 0.4959, 0.3236

Trichromacy



Original Color

17.6691, 0.3385, 0.1651



Protanomaly

12.0872, 0.1847, 0.1174



Deuteranomaly

13.7038, 0.2499, 0.1651



Tritanomaly

16.4426, 0.4420, 0.2492

Monochromacy



Original Color

17.6691, 0.3385, 0.1651



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.7768, 0.3268, 0.2104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6691, 0.3385, 0.1651 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(209, 8, 195)` looks like.

```
.text, #text, p{  
    color:rgb(209, 8, 195)  
}
```

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(209, 8, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 8, 195) }
```

Border

The CSS property to change the border of an element to Yxy 17.6691, 0.3385, 0.1651 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(209, 8, 195) }
```

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

```
.border{ border-color:rgb(209, 8, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 8, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 8, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 8, 195);  
box-shadow:4px 4px 4px 4px rgb(209, 8,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6691, 0.3385, 0.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 8, 195) }
```

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

```
.background{ background-color: rgb(209, 8,  
195) }
```

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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