

Converting Colors

$Yxy(18.7746, 0.3447, 0.1672)$

Have a look what the booklet for
Yxy(18.7746, 0.3447, 0.1672)
contains.

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Color

Yxy(18.8289, 0.3445, 0.1671)

Conversions

Conversions Part 1

Format	Color
Hex	D900C6
RGB	217, 0, 198
RGB Percent	85%, 0%, 78%
CMY	0.1489, 1.0000, 0.2234
CMYK	0.00, 1.00, 0.09, 0.15
HSL	305°, 100%, 43%
HSV	305°, 100%, 85%
XYZ	38.8184, 18.8289, 55.0331
YIQ	87.4550, 65.7740, 107.5820

Conversions

Conversions Part 2

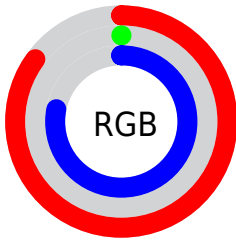
Format	Color
R_{YB}	217, 0, 198
Decimal	14221510
CIE Lab	50.49, 84.39, -44.68
CIE LCh	50, 95.487, 332.100
Yxy	18.8289, 0.3445, 0.1671
Android (android.graphics.Color)	4292411590 (0xFFD900C6)
YUV	87.4550, 54.4987, 113.6110
Hunter-Lab	43.3923, 83.7483, -44.8211

Details

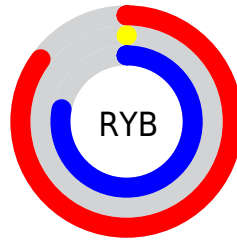
The Yxy color **18.8289, 0.3445, 0.1671** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.6902, 0.2986, 0.5949**, and the grayscale version is **9.5067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.1513, 0.3444, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **18.8356, 0.3445, 0.1671**, and if you desaturate by 10%, it is **19.4864, 0.3416, 0.1693**.

Distribution



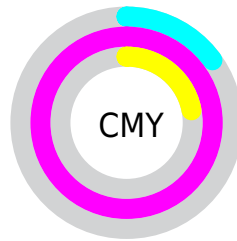
- Red (85%)
- Green (0%)
- Blue (78%)



- Red (85%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8289, 0.3445, 0.1671 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 18.8289, 0.3445, 0.1671 by changing the saturation by 10% instead.


 18.8289, 0.3445,
0.1671


 18.8289, 0.3445,
0.1671


245.5026, 0.3320,
0.2452


 11.5467, 0.3463,
0.1492


 41.4448, 0.3409,
0.1944

 6.4358, 0.3479,
0.1275


 57.5473, 0.3392,
0.2050

 3.1119, 0.3485,
0.1011


 77.3586, 0.3377,
0.2141

 1.1904, 0.3465,
0.0693

 101.2633, 0.3363,
0.2220

 0.0539, 0.3471,
0.0065

 129.6456, 0.3351,
0.2289

 0.0000, 0.3124,
0.0000

 162.8900, 0.3339,

 0.0000, 0.0087,

0.2350

0.0000

201.3808, 0.3329,
0.2404

■ 0.0000, 0.0000,
0.0000

■ 18.8289, 0.3445,
0.1671

■ 18.8289, 0.3445,
0.1671

■ 18.8356, 0.3445,
0.1671

■ 19.4864, 0.3416,
0.1693

■ 20.7707, 0.3385,
0.1752

■ 22.8970, 0.3352,
0.1854

■ 25.9815, 0.3317,
0.1999

■ 30.1225, 0.3281,
0.2178

■ 35.4058, 0.3246,
0.2384

■ 41.9085, 0.3212,
0.2607

■ 49.7011, 0.3181,
0.2837

■ 58.8486, 0.3153,
0.3067

Harmonies

Analogous

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



18.8289, 0.1949, 0.1257



18.8289, 0.3445, 0.1671



18.8289, 0.5305, 0.2357

Triad

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



18.8289, 0.3445, 0.1671



18.8289, 0.4781, 0.5219



18.8289, 0.0761, 0.2164

Complementary

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



18.8289, 0.3445, 0.1671



49.6902, 0.2986, 0.5949

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.



18.8289, 0.1140, 0.4043



18.8289, 0.3445, 0.1671



18.8289, 0.3412, 0.6441

Square

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



18.8289, 0.3445, 0.1671



18.8289, 0.5924, 0.4036



18.8289, 0.2111, 0.6324



18.8289, 0.0786, 0.1376

Rectangle

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



18.8289, 0.3445, 0.1671



18.8289, 0.6117, 0.2871



18.8289, 0.2111, 0.6324



18.8289, 0.0830, 0.2645

Sweetspot

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



18.8356, 0.3445, 0.1671



60.0962, 0.3213, 0.2601



5.1410, 0.1523, 0.0613



11.9671, 0.3227, 0.2505



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.



18.8356, 0.3445, 0.1671



27.1245, 0.3447, 0.1673



15.5025, 0.5335, 0.2713



13.2542, 0.3151, 0.3079



11.4060, 0.3441, 0.1669



0.7448, 0.3399, 0.1646

Inverse Universe

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



18.8356, 0.3445, 0.1671



27.1245, 0.3447, 0.1673



51.1652, 0.2648, 0.4733



13.2542, 0.3151, 0.3079



11.4060, 0.3441, 0.1669



0.7448, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 18.8289, 0.3445, 0.1671 looks on a white background.

Color Contrast Check

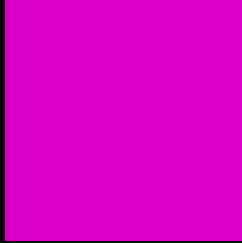
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8289, 0.3445, 0.1671 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 18.8289, 0.3445, 0.1671

Background



This preview shows how black text looks on a background with the Yxy color 18.8289, 0.3445, 0.1671.



This preview shows how white text looks on a background with the Yxy color 18.8289, 0.3445, 0.1671.

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

18.8289, 0.3445, 0.1671

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.4441, 0.2259, 0.2194



Tritanopia

19.1951, 0.5019, 0.3239

Trichromacy



Original Color

18.8289, 0.3445, 0.1671



Protanomaly

12.4076, 0.1843, 0.1142



Deuteranomaly

14.3438, 0.2562, 0.1650



Tritanomaly

17.4635, 0.4489, 0.2495

Monochromacy



Original Color

18.8289, 0.3445, 0.1671



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3330, 0.3307, 0.2053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8289, 0.3445, 0.1671 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(217, 0, 198)` looks like.

```
.text, #text, p{  
  color:rgb(217, 0, 198)  
}
```

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(217, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.8289, 0.3445, 0.1671 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(217, 0, 198) }
```

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

```
.border{ border-color:rgb(217, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8289, 0.3445, 0.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 198) }
```

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

```
.background{ background-color: rgb(217, 0,  
198) }
```

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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