

Converting Colors

$Yxy(18.3212, 0.3587, 0.1750)$

Have a look what the booklet for
Yxy(18.3212, 0.3587, 0.1750)
contains.

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Color

Yxy(18.3396, 0.3597, 0.1755)

Conversions

Conversions Part 1

Format	Color
Hex	D900BB
RGB	217, 0, 187
RGB Percent	85%, 0%, 73%
CMY	0.1490, 1.0000, 0.2667
CMYK	0.00, 1.00, 0.14, 0.15
HSL	308°, 100%, 43%
HSV	308°, 100%, 85%
XYZ	37.5883, 18.3396, 48.5712
YIQ	86.2010, 69.3050, 104.1610

Conversions

Conversions Part 2

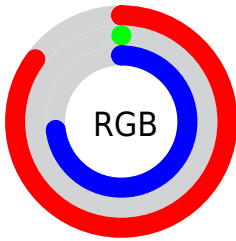
Format	Color
R_{YB}	217, 0, 187
Decimal	14221499
CIE _{Lab}	49.91, 82.93, -39.19
CIE _{LCh}	50, 91.724, 334.709
Yxy	18.3396, 0.3597, 0.1755
Android (android.graphics.Color)	4292411579 (0xFFD900BB)
YUV	86.2010, 49.6939, 114.7107
Hunter-Lab	42.8248, 81.7305, -37.2685

Details

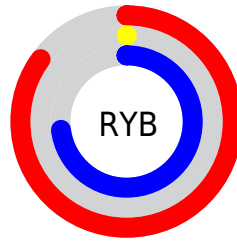
The Yxy color **18.3396, 0.3597, 0.1755** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **49.7284, 0.2972, 0.5900**, and the grayscale version is **9.2335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9761, 0.3299, 0.1925**, and **8.8616, 0.3632, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **18.3421, 0.3597, 0.1755**, and if you desaturate by 10%, it is **19.0345, 0.3550, 0.1769**.

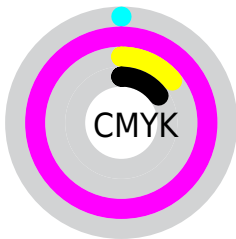
Distribution



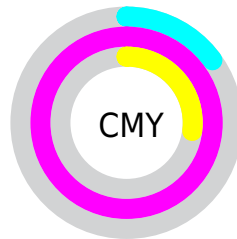
- Red (85%)
- Green (0%)
- Blue (73%)



- Red (85%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3396, 0.3597, 0.1755 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 18.3396, 0.3597, 0.1755 by changing the saturation by 10% instead.


 18.3396, 0.3597,
0.1755


 18.3396, 0.3597,
0.1755


242.7783, 0.3381,
0.2509

 11.1941, 0.3642,
0.1578


 40.6151, 0.3525,
0.2022


 6.1975, 0.3693,
0.1360


 56.5140, 0.3496,
0.2125

 2.9656, 0.3749,
0.1089


 76.0993, 0.3470,
0.2213

 1.1138, 0.3801,
0.0756

 99.7557, 0.3448,
0.2288

 0.0000, 0.3966,
0.0000

 127.8673, 0.3428,
0.2354

 0.0000, 0.3716,
0.0000

 160.8187, 0.3411,

 0.0000, 0.0000,

0.2412

0.0000

198.9942, 0.3395,
0.2463

■ 18.3396, 0.3597,
0.1755

■ 18.3396, 0.3597,
0.1755

■ 18.3421, 0.3597,
0.1755

■ 19.0345, 0.3550,
0.1769

■ 20.3619, 0.3499,
0.1821

■ 22.5327, 0.3446,
0.1918

■ 25.6633, 0.3393,
0.2057

■ 29.8517, 0.3340,
0.2230

■ 35.1839, 0.3289,
0.2429

■ 41.7369, 0.3242,
0.2642

■ 49.5812, 0.3199,
0.2861

■ 58.7819, 0.3161,
0.3079

Harmonies

Analogous

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



18.3396, 0.2078, 0.1318



18.3396, 0.3597, 0.1755



18.3396, 0.5378, 0.2450

Triad

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



18.3396, 0.3597, 0.1755



18.3396, 0.4672, 0.5328



18.3396, 0.0791, 0.2100

Complementary

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



18.3396, 0.3597, 0.1755



49.7284, 0.2972, 0.5900

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.



18.3396, 0.1133, 0.3822



18.3396, 0.3597, 0.1755



18.3396, 0.3318, 0.6421

Square

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



18.3396, 0.3597, 0.1755



18.3396, 0.5806, 0.4145



18.3396, 0.2053, 0.6084



18.3396, 0.0840, 0.1380

Rectangle

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



18.3396, 0.3597, 0.1755



18.3396, 0.6096, 0.2965



18.3396, 0.2053, 0.6084



18.3396, 0.0851, 0.2538

Sweetspot

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



18.3421, 0.3597, 0.1755



59.8572, 0.3243, 0.2636



5.2709, 0.1546, 0.0625



11.9091, 0.3263, 0.2544



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.



18.3421, 0.3597, 0.1755



26.4128, 0.3601, 0.1757



15.3272, 0.5538, 0.2825



13.2422, 0.3159, 0.3091



11.1131, 0.3591, 0.1752



0.7287, 0.3519, 0.1712

Inverse Universe

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



18.3421, 0.3597, 0.1755



26.4128, 0.3601, 0.1757



51.4535, 0.2598, 0.4552



13.2422, 0.3159, 0.3091



11.1131, 0.3591, 0.1752



0.7287, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 18.3396, 0.3597, 0.1755 looks on a white background.

Color Contrast Check

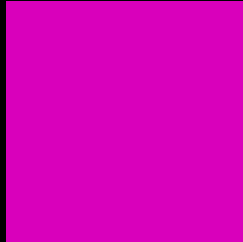
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3396, 0.3597, 0.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

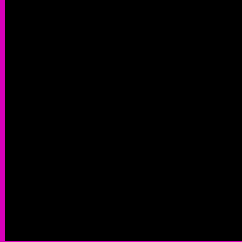
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3396, 0.3597, 0.1755

Background



This preview shows how black text looks on a background with the Yxy color 18.3396, 0.3597, 0.1755.



This preview shows how white text looks on a background with the Yxy color 18.3396, 0.3597, 0.1755.

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

18.3396, 0.3597, 0.1755

Protanopia

19.2062, 0.1735, 0.1447

Deuteranopia

19.1248, 0.2382, 0.2337



Tritanopia

18.7130, 0.5137, 0.3253

Trichromacy



Original Color

18.3396, 0.3597, 0.1755



Protanomaly

11.9961, 0.1856, 0.1156



Deuteranomaly

14.0863, 0.2713, 0.1760



Tritanomaly

17.1899, 0.4639, 0.2560

Monochromacy



Original Color

18.3396, 0.3597, 0.1755



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.2308, 0.3377, 0.2110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3396, 0.3597, 0.1755 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 187) }
```

Border

The CSS property to change the border of an element to Yxy 18.3396, 0.3597, 0.1755 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, 187) }
```

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

```
.border{ border-color:rgb(217, 0, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3396, 0.3597, 0.1755 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, 187) }
```

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

```
.background{ background-color: rgb(217, 0,  
187) }
```

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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