

Converting Colors

$Y_{xy}(17.8281, 0.3659, 0.1932)$

Have a look what the booklet for
Yxy(17.8281, 0.3659, 0.1932)
contains.

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Color

Yxy(17.8281, 0.3659, 0.1932)

Conversions

Conversions Part 1

Format	Color
Hex	CE2BAC
RGB	206, 43, 172
RGB Percent	81%, 17%, 67%
CMY	0.1921, 0.8314, 0.3255
CMYK	0.00, 0.79, 0.17, 0.19
HSL	313°, 65%, 49%
HSV	313°, 79%, 81%
XYZ	33.7645, 17.8281, 40.6853
YIQ	106.4430, 55.7390, 74.6750

Conversions

Conversions Part 2

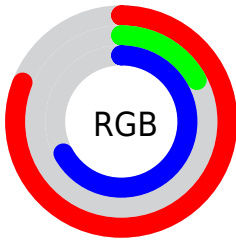
Format	Color
R_{YB}	206, 43, 172
Decimal	13511596
CIE _{Lab}	49.29, 72.71, -31.49
CIE _{LCh}	49, 79.232, 336.582
Yxy	17.8281, 0.3659, 0.1932
Android (android.graphics.Color)	4291701676 (0xFFCE2BAC)
YUV	106.4430, 32.3196, 87.3115
Hunter-Lab	42.2233, 68.8493, -27.5740

Details

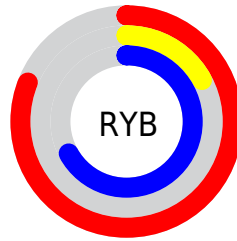
The Yxy color **17.8281, 0.3659, 0.1932** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **45.1963, 0.2904, 0.5376**, and the grayscale version is **14.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5866, 0.3450, 0.2140**, and **7.5350, 0.3747, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **16.5278, 0.3740, 0.1885**, and if you desaturate by 10%, it is **19.8911, 0.3576, 0.2025**.

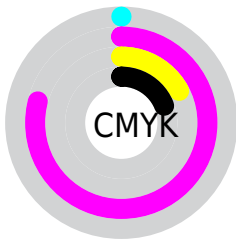
Distribution



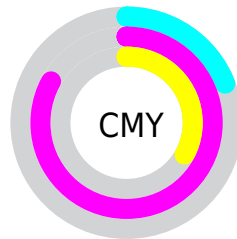
- Red (81%)
- Green (17%)
- Blue (67%)



- Red (81%)
- Yellow (17%)
- Blue (67%)



- Cyan (0%)
- Magenta (79%)
- Yellow (17%)
- Black (19%)





- Cyan (19%)
- Magenta (83%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8281, 0.3659, 0.1932 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 17.8281, 0.3659, 0.1932 by changing the saturation by 10% instead.


 17.8281, 0.3659,
0.1932

 17.8281, 0.3659,
0.1932


239.9003, 0.3395,
0.2621


 10.8266, 0.3722,
0.1762


 39.7442, 0.3564,
0.2182


 5.9504, 0.3800,
0.1547


 55.4276, 0.3528,
0.2277

 2.8149, 0.3897,
0.1270


 74.7738, 0.3498,
0.2356

 1.0359, 0.4016,
0.0912

 98.1672, 0.3471,
0.2425

 0.0000, 0.4345,
0.0000

 125.9921, 0.3448,
0.2484

 0.0000, 0.4157,
0.0000

158.6331, 0.3428,

 0.0000, 0.0000,

0.2535

0.0000

196.4743, 0.3410,
0.2581

■ 17.8281, 0.3659,
0.1932

■ 17.8281, 0.3659,
0.1932

■ 16.5278, 0.3740,
0.1885

■ 19.8911, 0.3576,
0.2025

■ 15.8204, 0.3818,
0.1880

■ 22.8146, 0.3495,
0.2158

■ 15.7678, 0.3825,
0.1881

■ 26.6843, 0.3416,
0.2324

■ 31.5753, 0.3344,
0.2511

■ 37.5546, 0.3278,
0.2710

■ 44.6839, 0.3219,
0.2913

■ 53.0201, 0.3168,
0.3114

■ 62.6164, 0.3124,
0.3306

■ 73.5226, 0.3086,
0.3489

Harmonies

Analogous

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



17.8281, 0.2263, 0.1495



17.8281, 0.3659, 0.1932



17.8281, 0.5190, 0.2606

Triad

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



17.8281, 0.3659, 0.1932



17.8281, 0.4567, 0.5302



17.8281, 0.0967, 0.2195

Complementary

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



17.8281, 0.3659, 0.1932



45.1963, 0.2904, 0.5376

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.



17.8281, 0.1301, 0.3664



17.8281, 0.3659, 0.1932



17.8281, 0.3346, 0.6108

Square

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



17.8281, 0.3659, 0.1932



17.8281, 0.5549, 0.4247



17.8281, 0.2161, 0.5572



17.8281, 0.1021, 0.1534

Rectangle

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



17.8281, 0.3659, 0.1932



17.8281, 0.5800, 0.3111



17.8281, 0.2161, 0.5572



17.8281, 0.1028, 0.2581

Sweetspot

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



17.8290, 0.3659, 0.1932



66.1791, 0.3248, 0.2808



7.7048, 0.1829, 0.0942



13.3025, 0.3270, 0.2735



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.



17.8290, 0.3659, 0.1932



25.9224, 0.3795, 0.1880



15.6219, 0.5090, 0.2815



11.3621, 0.3169, 0.3108



9.7230, 0.3814, 0.1875



0.5119, 0.3674, 0.1797

Inverse Universe

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



17.8290, 0.3659, 0.1932



25.9224, 0.3795, 0.1880



47.0982, 0.2519, 0.4069



11.3621, 0.3169, 0.3108



9.7230, 0.3814, 0.1875



0.5119, 0.3674, 0.1797

Previews

White Background



This preview shows how the Yxy color 17.8281, 0.3659, 0.1932 looks on a white background.

Color Contrast Check

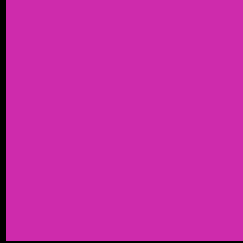
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8281, 0.3659, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

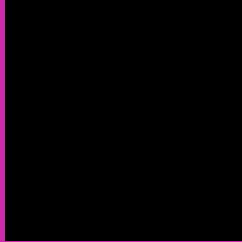
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8281, 0.3659, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 17.8281, 0.3659, 0.1932.



This preview shows how white text looks on a background with the Yxy color 17.8281, 0.3659, 0.1932.

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

17.8281, 0.3659, 0.1932

Protanopia

18.4085, 0.1831, 0.1560

Deuteranopia

18.0425, 0.2524, 0.2464



Tritanopia

17.9076, 0.4975, 0.3248

Trichromacy



Original Color

17.8281, 0.3659, 0.1932



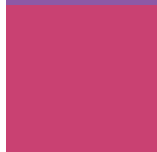
Protanomaly

14.6358, 0.2132, 0.1489



Deuteranomaly

15.5607, 0.2861, 0.2076



Tritanomaly

17.4130, 0.4521, 0.2713

Monochromacy



Original Color

17.8281, 0.3659, 0.1932



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5490, 0.3348, 0.2482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8281, 0.3659, 0.1932 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(206, 43, 172)` looks like.

```
.text, #text, p{  
    color:rgb(206, 43, 172)  
}
```

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(206, 43, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 43, 172) }
```

Border

The CSS property to change the border of an element to Yxy 17.8281, 0.3659, 0.1932 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(206, 43, 172) }
```

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

```
.border{ border-color:rgb(206, 43, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 43, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 43, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 43, 172);  
box-shadow:4px 4px 4px 4px rgb(206, 43,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8281, 0.3659, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 43, 172) }
```

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

```
.background{ background-color: rgb(206, 43,  
172) }
```

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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