

Converting Colors

$Y_{xy}(17.9583, 0.3264, 0.1572)$

Have a look what the booklet for
Yxy(17.9583, 0.3264, 0.1572)
contains.

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Color

Yxy(17.9631, 0.3258, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	D100CD
RGB	209, 0, 205
RGB Percent	82%, 0%, 80%
CMY	0.1802, 1.0000, 0.1960
CMYK	0.00, 1.00, 0.02, 0.18
HSL	301°, 100%, 41%
HSV	301°, 100%, 82%
XYZ	37.3238, 17.9631, 59.2736
YIQ	85.8610, 58.7590, 108.0630

Conversions

Conversions Part 2

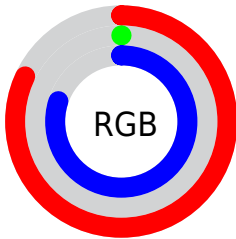
Format	Color
R_{YB}	209, 0, 205
Decimal	13697229
CIE _{Lab}	49.45, 84.03, -50.46
CIE _{LCh}	49, 98.012, 329.016
Yxy	17.9631, 0.3258, 0.1568
Android (android.graphics.Color)	4291887309 (0xFFD100CD)
YUV	85.8610, 58.7355, 107.9929
Hunter-Lab	42.3829, 83.0232, -53.2507

Details

The Yxy color **17.9631, 0.3258, 0.1568** 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 **45.6278, 0.2997, 0.5990**, and the grayscale version is **9.1424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.6860, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **17.9697, 0.3258, 0.1568**, and if you desaturate by 10%, it is **18.5219, 0.3251, 0.1600**.

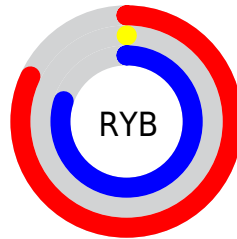
Distribution



Red (82%)

Green (0%)

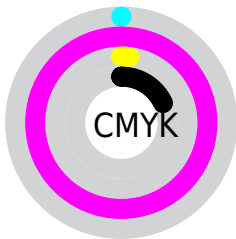
Blue (80%)



Red (82%)

Yellow (0%)

Blue (80%)

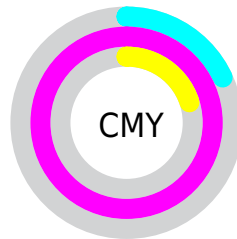


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9631, 0.3258, 0.1568 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 17.9631, 0.3258, 0.1568 by changing the saturation by 10% instead.


 17.9631, 0.3258,
0.1568


 17.9631, 0.3258,
0.1568


240.6630, 0.3240,
0.2391


 10.9235, 0.3246,
0.1383


 39.9744, 0.3263,
0.1854


 6.0154, 0.3221,
0.1161


 55.7150, 0.3262,
0.1965

 2.8545, 0.3170,
0.0896


 75.1246, 0.3259,
0.2061

 1.0562, 0.3069,
0.0586

 98.5877, 0.3256,
0.2145

 0.0000, 0.2941,
0.0000

 126.4887, 0.3252,
0.2218

 0.0000, 0.2446,
0.0000

 159.2120, 0.3248,

 0.0000, 0.0000,

0.2283

0.0000

197.1419, 0.3244,
0.2340

■ 17.9631, 0.3258,
0.1568

■ 17.9631, 0.3258,
0.1568

■ 17.9697, 0.3258,
0.1568

■ 18.5219, 0.3251,
0.1600

■ 19.6508, 0.3242,
0.1666

■ 21.5511, 0.3231,
0.1775

■ 24.3286, 0.3219,
0.1926

■ 28.0725, 0.3204,
0.2113

■ 32.8612, 0.3189,
0.2328

■ 38.7649, 0.3173,
0.2562

■ 45.8479, 0.3157,
0.2806

■ 54.1694, 0.3142,
0.3051

Harmonies

Analogous

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



17.9631, 0.1795, 0.1184



17.9631, 0.3258, 0.1568



17.9631, 0.5209, 0.2241

Triad

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



17.9631, 0.3258, 0.1568



17.9631, 0.4918, 0.5082



17.9631, 0.0721, 0.2249

Complementary

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



17.9631, 0.3258, 0.1568



45.6278, 0.2997, 0.5990

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.



17.9631, 0.1146, 0.4338



17.9631, 0.3258, 0.1568



17.9631, 0.3533, 0.6467

Square

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



17.9631, 0.3258, 0.1568



17.9631, 0.6078, 0.3903



17.9631, 0.2175, 0.6609



17.9631, 0.0720, 0.1368

Rectangle

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



17.9631, 0.3258, 0.1568



17.9631, 0.6139, 0.2755



17.9631, 0.2175, 0.6609



17.9631, 0.0802, 0.2788

Sweetspot

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



17.9697, 0.3258, 0.1568



60.4259, 0.3173, 0.2554



4.6278, 0.1505, 0.0602



12.0473, 0.3180, 0.2453



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.



17.9697, 0.3258, 0.1568



28.1688, 0.3259, 0.1569



14.5009, 0.5048, 0.2555



12.0050, 0.3141, 0.3065



11.0770, 0.3257, 0.1568



0.6206, 0.3248, 0.1563

Inverse Universe

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



17.9697, 0.3258, 0.1568



28.1688, 0.3259, 0.1569



46.7017, 0.2712, 0.4964



12.0050, 0.3141, 0.3065



11.0770, 0.3257, 0.1568



0.6206, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 17.9631, 0.3258, 0.1568 looks on a white background.

Color Contrast Check

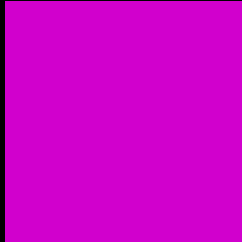
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9631, 0.3258, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

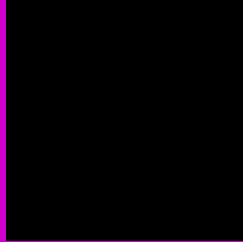
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9631, 0.3258, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 17.9631, 0.3258, 0.1568.



This preview shows how white text looks on a background with the Yxy color 17.9631, 0.3258, 0.1568.

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

17.9631, 0.3258, 0.1568

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.8197, 0.2119, 0.2063



Tritanopia

18.2925, 0.4841, 0.3234

Trichromacy



Original Color

17.9631, 0.3258, 0.1568



Protanomaly

12.0148, 0.1822, 0.1114



Deuteranomaly

13.4852, 0.2363, 0.1519



Tritanomaly

16.4585, 0.4297, 0.2415

Monochromacy



Original Color

17.9631, 0.3258, 0.1568



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.1427, 0.3222, 0.2005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9631, 0.3258, 0.1568 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, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 205)  
}
```

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, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 205) }
```

Border

The CSS property to change the border of an element to Yxy 17.9631, 0.3258, 0.1568 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, 0, 205) }
```

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

```
.border{ border-color:rgb(209, 0, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9631, 0.3258, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 205) }
```

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

```
.background{ background-color: rgb(209, 0,  
205) }
```

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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