

Converting Colors

$Yxy(17.3544, 0.3094, 0.1478)$

Have a look what the booklet for
Yxy(17.3544, 0.3094, 0.1478)
contains.

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Color

Yxy(17.3100, 0.3090, 0.1476)

Conversions

Conversions Part 1

Format	Color
Hex	CA00D4
RGB	202, 0, 212
RGB Percent	79%, 0%, 83%
CMY	0.2079, 0.9996, 0.1686
CMYK	0.05, 1.00, 0.00, 0.17
HSL	297°, 100%, 42%
HSV	297°, 100%, 83%
XYZ	36.2384, 17.3100, 63.7280
YIQ	84.5660, 52.3400, 108.7560

Conversions

Conversions Part 2

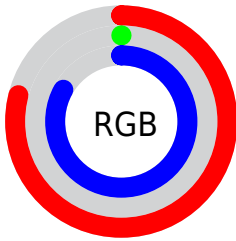
Format	Color
R_{YB}	202, 0, 212
Decimal	13238484
CIE _{Lab}	48.65, 83.90, -55.83
CIE _{LCh}	49, 100.783, 326.358
Yxy	17.3100, 0.3090, 0.1476
Android (android.graphics.Color)	4291428564 (0xFFCA00D4)
YUV	84.5660, 62.8250, 102.9896
Hunter-Lab	41.6053, 82.6651, -61.6925

Details

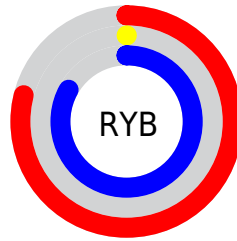
The Yxy color **17.3100, 0.3090, 0.1476** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **47.1600, 0.3008, 0.5993**, and the grayscale version is **8.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3087, 0.3195, 0.1836**, and **8.2399, 0.3003, 0.1428** is the 20% darker color. If you saturate the color by 10%, you get **17.3076, 0.3090, 0.1476**, and if you desaturate by 10%, it is **17.9967, 0.3101, 0.1517**.

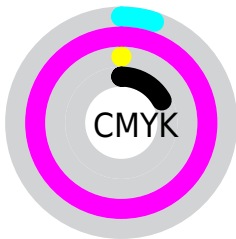
Distribution



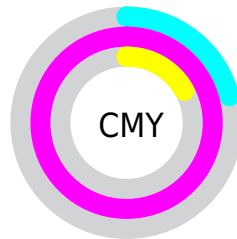
- Red (79%)
- Green (0%)
- Blue (83%)



- Red (79%)
- Yellow (0%)
- Blue (83%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (21%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3100, 0.3090, 0.1476 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 17.3100, 0.3090, 0.1476 by changing the saturation by 10% instead.


 17.3100, 0.3090,
0.1476


 17.3100, 0.3090,
0.1476


236.9525, 0.3167,
0.2335


 10.4558, 0.3052,
0.1287


 38.8580, 0.3132,
0.1771


 5.7022, 0.2992,
0.1063


 54.3206, 0.3144,
0.1887


 2.6648, 0.2896,
0.0800


 73.4214, 0.3152,
0.1988

 0.9594, 0.2733,
0.0502

 96.5448, 0.3158,
0.2076

 0.0000, 0.2499,
0.0000

 124.0752, 0.3162,
0.2152

 0.0000, 0.1942,
0.0000

 156.3970, 0.3164,

 0.0000, 0.0000,

0.2220

0.0000

193.8947, 0.3166,
0.2281

■ 17.3100, 0.3090,
0.1476

■ 17.3100, 0.3090,
0.1476

■ 17.3076, 0.3090,
0.1476

■ 17.9967, 0.3101,
0.1517

■ 19.2829, 0.3111,
0.1594

■ 21.3674, 0.3120,
0.1715

■ 24.3598, 0.3126,
0.1877

■ 28.3526, 0.3131,
0.2075

■ 33.4267, 0.3133,
0.2300

■ 39.6549, 0.3134,
0.2544

■ 47.1038, 0.3133,
0.2795

■ 55.8346, 0.3131,
0.3047

Harmonies

Analogous

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



17.3100, 0.1661, 0.1118



17.3100, 0.3090, 0.1476



17.3100, 0.5116, 0.2135

Triad

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



17.3100, 0.3090, 0.1476



17.3100, 0.5043, 0.4957



17.3100, 0.0684, 0.2331

Complementary

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



17.3100, 0.3090, 0.1476



47.1600, 0.3008, 0.5993

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.



17.3100, 0.1148, 0.4630



17.3100, 0.3090, 0.1476



17.3100, 0.3599, 0.6401

Square

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



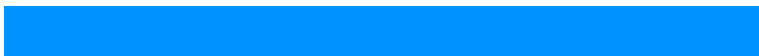
17.3100, 0.3090, 0.1476



17.3100, 0.6218, 0.3782



17.3100, 0.2223, 0.6850



17.3100, 0.0661, 0.1361

Rectangle

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



17.3100, 0.3090, 0.1476



17.3100, 0.6156, 0.2650



17.3100, 0.2223, 0.6850



17.3100, 0.0775, 0.2928

Sweetspot

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



17.3108, 0.3090, 0.1476



59.8397, 0.3134, 0.2535



4.9876, 0.1508, 0.0626



11.9044, 0.3134, 0.2430



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.



17.3108, 0.3090, 0.1476



26.2618, 0.3089, 0.1475



15.2780, 0.4764, 0.2398



12.6014, 0.3130, 0.3060



10.6959, 0.3092, 0.1477



0.6546, 0.3113, 0.1489

Inverse Universe

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



14.0239, 0.6358, 0.3277



21.2867, 0.6367, 0.3281



47.9298, 0.2774, 0.5187



12.4302, 0.3284, 0.3279



8.6588, 0.6346, 0.3270



0.5257, 0.6179, 0.3177

Previews

White Background



This preview shows how the Yxy color 17.3100, 0.3090, 0.1476 looks on a white background.

Color Contrast Check

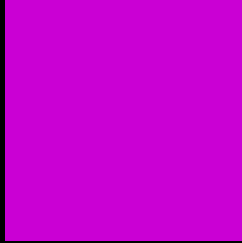
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3100, 0.3090, 0.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

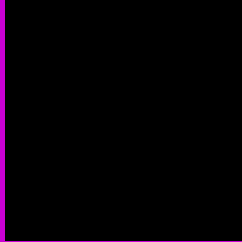
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.3100, 0.3090, 0.1476

Background



This preview shows how black text looks on a background with the Yxy color 17.3100, 0.3090, 0.1476.



This preview shows how white text looks on a background with the Yxy color 17.3100, 0.3090, 0.1476.

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

17.3100, 0.3090, 0.1476

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

17.9799, 0.1992, 0.1933



Tritanopia

17.5991, 0.4684, 0.3216

Trichromacy



Original Color

17.3100, 0.3090, 0.1476



Protanomaly

11.7083, 0.1807, 0.1102



Deuteranomaly

12.7068, 0.2179, 0.1395



Tritanomaly

15.6049, 0.4097, 0.2319

Monochromacy



Original Color

17.3100, 0.3090, 0.1476



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.8662, 0.3139, 0.1944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3100, 0.3090, 0.1476 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(202, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 212)  
}
```

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(202, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 212) }
```

Border

The CSS property to change the border of an element to Yxy 17.3100, 0.3090, 0.1476 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(202, 0, 212) }
```

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

```
.border{ border-color:rgb(202, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(202, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3100, 0.3090, 0.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 212) }
```

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

```
.background{ background-color: rgb(202, 0,  
212) }
```

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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