

Converting Colors

$Y_{xy}(24.1720, 0.3402, 0.1706)$

Have a look what the booklet for
Yxy(24.1720, 0.3402, 0.1706)
contains.

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Color

Yxy(24.2067, 0.3408, 0.1709)

Conversions

Conversions Part 1

Format	Color
Hex	ED21DB
RGB	237, 33, 219
RGB Percent	93%, 13%, 86%
CMY	0.0704, 0.8713, 0.1411
CMYK	0.00, 0.86, 0.08, 0.07
HSL	305°, 85%, 53%
HSV	305°, 86%, 93%
XYZ	48.2718, 24.2067, 69.1640
YIQ	115.2000, 61.8780, 101.0940

Conversions

Conversions Part 2

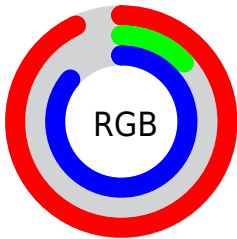
Format	Color
R _Y B	237, 33, 219
Decimal	15540699
CIE Lab	56.29, 87.31, -47.28
CIE LCh	56, 99.289, 331.564
Yxy	24.2067, 0.3408, 0.1709
Android (android.graphics.Color)	4293730779 (0xFFED21DB)
YUV	115.2000, 51.1734, 106.8186
Hunter-Lab	49.2003, 89.0307, -48.9075

Details

The Yxy color **24.2067, 0.3408, 0.1709** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **61.1596, 0.2975, 0.5773**, and the grayscale version is **17.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **11.8745, 0.3403, 0.1648** is the 20% darker color. If you saturate the color by 10%, you get **23.2185, 0.3438, 0.1678**, and if you desaturate by 10%, it is **26.1206, 0.3376, 0.1783**.

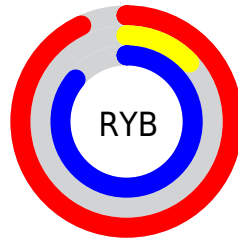
Distribution



Red (93%)

Green (13%)

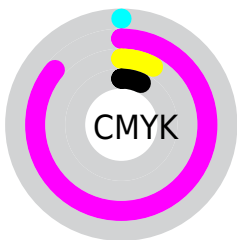
Blue (86%)



Red (93%)

Yellow (13%)

Blue (86%)

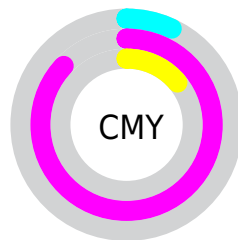


Cyan (0%)

Magenta (86%)

Yellow (8%)

Black (7%)



Cyan (7%)


Magenta (87%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2067, 0.3408, 0.1709 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 24.2067, 0.3408, 0.1709 by changing the saturation by 10% instead.


 24.2067, 0.3408,
0.1709


 24.2067, 0.3408,
0.1709


273.8638, 0.3306,
0.2444


 15.4870, 0.3422,
0.1547


 50.3673, 0.3380,
0.1961

 9.1619, 0.3432,
0.1352


 68.5770, 0.3367,
0.2060


 4.8469, 0.3435,
0.1117


 90.7188, 0.3354,
0.2146

 2.1577, 0.3419,
0.0835

 117.1772, 0.3343,
0.2221

 0.6968, 0.3360,
0.0499

 148.3365, 0.3332,
0.2287

 0.0000, 0.3246,
0.0000


184.5811, 0.3323,


 0.0000, 0.2735,

0.2345


0.0000


226.2954, 0.3314,
0.2397


 0.0000, 0.0000,
0.0000


 24.2067, 0.3408,
0.1709


 24.2067, 0.3408,
0.1709


 23.2185, 0.3438,
0.1678


 26.1206, 0.3376,
0.1783

 22.9790, 0.3448,
0.1673

 29.1245, 0.3341,
0.1901

 33.3548, 0.3305,
0.2060

 38.9272, 0.3269,
0.2251

 45.9438, 0.3234,
0.2465

■ 54.4971, 0.3201,
0.2692

■ 64.6717, 0.3170,
0.2924

■ 76.5462, 0.3143,
0.3153

■ 90.1938, 0.3118,
0.3374

Harmonies

Analogous

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



24.2067, 0.1971, 0.1305



24.2067, 0.3408, 0.1709



24.2067, 0.5190, 0.2382

Triad

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



24.2067, 0.3408, 0.1709



24.2067, 0.4808, 0.5192



24.2067, 0.0823, 0.2240

Complementary

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



24.2067, 0.3408, 0.1709



61.1596, 0.2975, 0.5773

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.



24.2067, 0.1222, 0.4061



24.2067, 0.3408, 0.1709



24.2067, 0.3467, 0.6306

Square

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



24.2067, 0.3408, 0.1709



24.2067, 0.5855, 0.4032



24.2067, 0.2195, 0.6193



24.2067, 0.0837, 0.1442

Rectangle

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



24.2067, 0.3408, 0.1709



24.2067, 0.5992, 0.2894



24.2067, 0.2195, 0.6193



24.2067, 0.0899, 0.2715

Sweetspot

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



24.2079, 0.3408, 0.1709



64.3750, 0.3201, 0.2693



7.8694, 0.1620, 0.0744



12.9814, 0.3212, 0.2613



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.



24.2079, 0.3408, 0.1709



27.1140, 0.3449, 0.1674



20.3980, 0.4958, 0.2610



15.2895, 0.3151, 0.3078



12.5488, 0.3444, 0.1671



0.9921, 0.3408, 0.1651

Inverse Universe

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



24.2079, 0.3408, 0.1709



27.1140, 0.3449, 0.1674



63.1875, 0.2618, 0.4522



15.2895, 0.3151, 0.3078



12.5488, 0.3444, 0.1671



0.9921, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 24.2067, 0.3408, 0.1709 looks on a white background.

Color Contrast Check

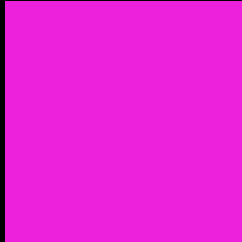
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2067, 0.3408, 0.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

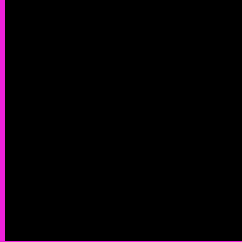
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2067, 0.3408, 0.1709

Background



This preview shows how black text looks on a background with the Yxy color 24.2067, 0.3408, 0.1709.



This preview shows how white text looks on a background with the Yxy color 24.2067, 0.3408, 0.1709.

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

24.2067, 0.3408, 0.1709

Protanopia

24.9158, 0.1890, 0.1645

Deuteranopia

24.5509, 0.2257, 0.2201



Tritanopia

24.1644, 0.4924, 0.3232

Trichromacy



Original Color

24.2067, 0.3408, 0.1709



Protanomaly

19.4437, 0.2169, 0.1441



Deuteranomaly

19.9225, 0.2549, 0.1770



Tritanomaly

22.8373, 0.4379, 0.2548

Monochromacy



Original Color

24.2067, 0.3408, 0.1709



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.1678, 0.3259, 0.2261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2067, 0.3408, 0.1709 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(237, 33, 219)` looks like.

```
.text, #text, p{  
    color:rgb(237, 33, 219)  
}
```

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(237, 33, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 33, 219) }
```

Border

The CSS property to change the border of an element to Yxy 24.2067, 0.3408, 0.1709 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(237, 33, 219) }
```

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

```
.border{ border-color:rgb(237, 33, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 33, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 33, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 33, 219);  
box-shadow:4px 4px 4px 4px rgb(237, 33,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2067, 0.3408, 0.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 33, 219) }
```

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

```
.background{ background-color: rgb(237, 33,  
219) }
```

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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