

Converting Colors

$Y_{xy}(24.6953, 0.3589, 0.1751)$

Have a look what the booklet for
Yxy(24.6953, 0.3589, 0.1751)
contains.

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Color

Yxy(24.6292, 0.3585, 0.1749)

Conversions

Conversions Part 1

Format	Color
Hex	F700D6
RGB	247, 0, 214
RGB Percent	97%, 0%, 84%
CMY	0.0315, 0.9984, 0.1608
CMYK	0.00, 1.00, 0.13, 0.03
HSL	308°, 100%, 49%
HSV	308°, 100%, 97%
XYZ	50.4835, 24.6292, 65.7060
YIQ	98.2490, 78.5180, 118.9180

Conversions

Conversions Part 2

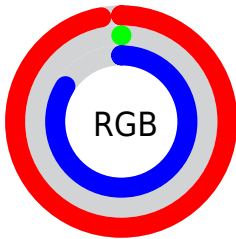
Format	Color
RYB	247, 0, 214
Decimal	16187606
CIELab	56.71, 91.51, -43.64
CIElCh	57, 101.384, 334.502
Yxy	24.6292, 0.3585, 0.1749
Android (android.graphics.Color)	4294377686 (0xFFFF700D6)
YUV	98.2490, 57.0652, 130.4546
Hunter-Lab	49.6278, 94.7291, -43.7591

Details

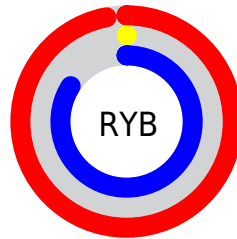
The Yxy color **24.6292, 0.3585, 0.1749** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **66.6110, 0.2975, 0.5910**, and the grayscale version is **12.1812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.9423, 0.3614, 0.1764** is the 20% darker color. If you saturate the color by 10%, you get **24.6184, 0.3586, 0.1749**, and if you desaturate by 10%, it is **25.4920, 0.3539, 0.1760**.

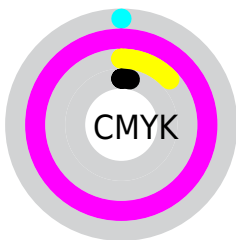
Distribution



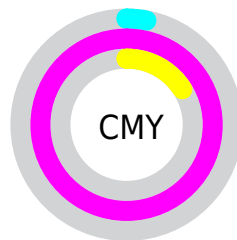
- Red (97%)
- Green (0%)
- Blue (84%)



- Red (97%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6292, 0.3585, 0.1749 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 24.6292, 0.3585, 0.1749 by changing the saturation by 10% instead.


 24.6292, 0.3585,
0.1749


 24.6292, 0.3585,
0.1749


275.9863, 0.3388,
0.2467


 15.8010, 0.3624,
0.1590


 51.0550, 0.3521,
0.1996


 9.3835, 0.3667,
0.1398


 69.4215, 0.3495,
0.2093

 4.9921, 0.3713,
0.1164


 91.7361, 0.3472,
0.2176

 2.2426, 0.3759,
0.0882

 118.3834, 0.3451,
0.2250

 0.7431, 0.3789,
0.0545

 149.7476, 0.3433,
0.2314

 0.0000, 0.3830,
0.0000

186.2132, 0.3416,

 0.0000, 0.3524,

0.2371

0.0000

228.1647, 0.3401,
0.2422

■ 0.0000, 0.0000,
0.0000

■ 24.6292, 0.3585,
0.1749

■ 24.6292, 0.3585,
0.1749

■ 24.6184, 0.3586,
0.1749

■ 25.4920, 0.3539,
0.1760

■ 27.2309, 0.3491,
0.1812

■ 30.1087, 0.3439,
0.1908

■ 34.2863, 0.3387,
0.2048

■ 39.8985, 0.3335,
0.2222

■ 47.0633, 0.3286,
0.2422

■ 55.8866, 0.3239,
0.2637

■ 66.4649, 0.3197,
0.2859

■ 78.8873, 0.3160,
0.3080

Harmonies

Analogous

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



24.6292, 0.2068, 0.1313



24.6292, 0.3585, 0.1749



24.6292, 0.5371, 0.2443

Triad

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



24.6292, 0.3585, 0.1749



24.6292, 0.4681, 0.5319



24.6292, 0.0789, 0.2105

Complementary

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



24.6292, 0.3585, 0.1749



66.6110, 0.2975, 0.5910

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.



24.6292, 0.1135, 0.3838



24.6292, 0.3585, 0.1749



24.6292, 0.3323, 0.6417

Square

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



24.6292, 0.3585, 0.1749



24.6292, 0.5800, 0.4127



24.6292, 0.2058, 0.6101



24.6292, 0.0837, 0.1381

Rectangle

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



24.6292, 0.3585, 0.1749



24.6292, 0.6097, 0.2958



24.6292, 0.2058, 0.6101



24.6292, 0.0850, 0.2547

Sweetspot

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



24.6304, 0.3585, 0.1749



59.8787, 0.3240, 0.2632



7.0502, 0.1544, 0.0625



11.9143, 0.3260, 0.2540



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.



24.6304, 0.3585, 0.1749



26.4752, 0.3586, 0.1749



20.5280, 0.5552, 0.2833



16.7279, 0.3158, 0.3087



13.0402, 0.3579, 0.1745



1.1565, 0.3525, 0.1716

Inverse Universe

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



24.6304, 0.3585, 0.1749



26.4752, 0.3586, 0.1749



68.9184, 0.2600, 0.4559



16.7279, 0.3158, 0.3087



13.0402, 0.3579, 0.1745



1.1565, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 24.6292, 0.3585, 0.1749 looks on a white background.

Color Contrast Check

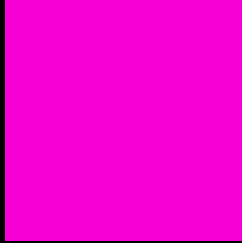
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6292, 0.3585, 0.1749 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 24.6292, 0.3585, 0.1749

Background



This preview shows how black text looks on a background with the Yxy color 24.6292, 0.3585, 0.1749.



This preview shows how white text looks on a background with the Yxy color 24.6292, 0.3585, 0.1749.

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

24.6292, 0.3585, 0.1749

Protanopia

25.6479, 0.1913, 0.1677

Deuteranopia

25.2049, 0.2358, 0.2294



Tritanopia

24.8948, 0.5163, 0.3249

Trichromacy



Original Color

24.6292, 0.3585, 0.1749



Protanomaly

18.0225, 0.2215, 0.1370



Deuteranomaly

18.7462, 0.2683, 0.1731



Tritanomaly

22.8848, 0.4658, 0.2565

Monochromacy



Original Color

24.6292, 0.3585, 0.1749



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.1239, 0.3372, 0.2101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6292, 0.3585, 0.1749 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(247, 0, 214)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 214)  
}
```

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(247, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 214) }
```

Border

The CSS property to change the border of an element to Yxy 24.6292, 0.3585, 0.1749 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(247, 0, 214) }
```

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

```
.border{ border-color:rgb(247, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6292, 0.3585, 0.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 214) }
```

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

```
.background{ background-color: rgb(247, 0,  
214) }
```

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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