

Converting Colors

$Y_{xy}(24.1382, 0.3584, 0.1748)$

Have a look what the booklet for
Yxy(24.1382, 0.3584, 0.1748)
contains.

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Color

Yxy(24.1659, 0.3589, 0.1751)

Conversions

Conversions Part 1

Format	Color
Hex	F500D4
RGB	245, 0, 212
RGB Percent	96%, 0%, 83%
CMY	0.0393, 0.9990, 0.1688
CMYK	0.00, 1.00, 0.13, 0.04
HSL	308°, 100%, 48%
HSV	308°, 100%, 96%
XYZ	49.5325, 24.1659, 64.3136
YIQ	97.4230, 77.9680, 117.8720

Conversions

Conversions Part 2

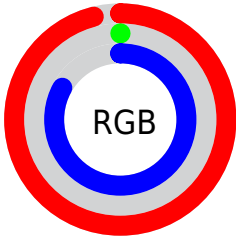
Format	Color
R _Y B	245, 0, 212
Decimal	16056532
CIE Lab	56.25, 90.93, -43.23
CIE LCh	56, 100.682, 334.571
Yxy	24.1659, 0.3589, 0.1751
Android (android.graphics.Color)	4294246612 (0xFFFF500D4)
YUV	97.4230, 56.4865, 129.4250
Hunter-Lab	49.1588, 93.8289, -43.1568

Details

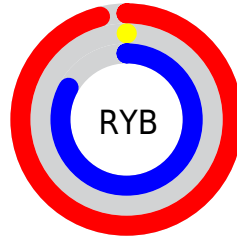
The Yxy color **24.1659, 0.3589, 0.1751** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **65.4110, 0.2975, 0.5909**, and the grayscale version is **11.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.6247, 0.3618, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **24.1602, 0.3589, 0.1751**, and if you desaturate by 10%, it is **25.0147, 0.3543, 0.1762**.

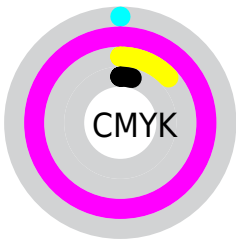
Distribution



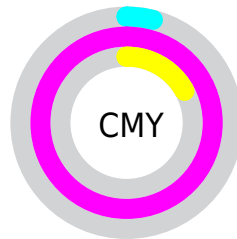
- Red (96%)
- Green (0%)
- Blue (83%)



- Red (96%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1659, 0.3589, 0.1751 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 24.1659, 0.3589, 0.1751 by changing the saturation by 10% instead.


 24.1659, 0.3589,
0.1751

 24.1659, 0.3589,
0.1751


273.6581, 0.3389,
0.2471


 15.4567, 0.3628,
0.1591


 50.3008, 0.3524,
0.1999


 9.1406, 0.3673,
0.1397


 68.4953, 0.3497,
0.2096


 4.8330, 0.3721,
0.1162


 90.6204, 0.3474,
0.2180

 2.1496, 0.3768,
0.0876

 117.0604, 0.3453,
0.2253

 0.6923, 0.3802,
0.0531

 148.1998, 0.3434,
0.2318

 0.0000, 0.3836,
0.0000

184.4230, 0.3417,

 0.0000, 0.3520,

0.2375

0.0000

226.1143, 0.3402,
0.2425

■ 0.0000, 0.0000,
0.0000

■ 24.1659, 0.3589,
0.1751

■ 24.1659, 0.3589,
0.1751

■ 24.1602, 0.3589,
0.1751

■ 25.0147, 0.3543,
0.1762

■ 26.7192, 0.3494,
0.1813

■ 29.5407, 0.3442,
0.1909

■ 33.6368, 0.3389,
0.2048

■ 39.1400, 0.3337,
0.2222

■ 46.1660, 0.3287,
0.2422

■ 54.8188, 0.3240,
0.2637

■ 65.1930, 0.3198,
0.2858

■ 77.3760, 0.3160,
0.3079

Harmonies

Analogous

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



24.1659, 0.2071, 0.1315



24.1659, 0.3589, 0.1751



24.1659, 0.5374, 0.2446

Triad

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



24.1659, 0.3589, 0.1751



24.1659, 0.4678, 0.5322



24.1659, 0.0790, 0.2103

Complementary

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



24.1659, 0.3589, 0.1751



65.4110, 0.2975, 0.5909

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.



24.1659, 0.1134, 0.3833



24.1659, 0.3589, 0.1751



24.1659, 0.3321, 0.6417

Square

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



24.1659, 0.3589, 0.1751



24.1659, 0.5798, 0.4130



24.1659, 0.2057, 0.6096



24.1659, 0.0838, 0.1380

Rectangle

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



24.1659, 0.3589, 0.1751



24.1659, 0.6096, 0.2960



24.1659, 0.2057, 0.6096



24.1659, 0.0851, 0.2544

Sweetspot

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



24.1671, 0.3589, 0.1751



59.8729, 0.3241, 0.2633



6.9184, 0.1543, 0.0624



11.9129, 0.3260, 0.2541



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.



24.1671, 0.3589, 0.1751



26.4584, 0.3590, 0.1752



20.1536, 0.5553, 0.2833



16.7276, 0.3159, 0.3088



13.0321, 0.3582, 0.1747



1.1558, 0.3529, 0.1717

Inverse Universe

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



24.1671, 0.3589, 0.1751



26.4584, 0.3590, 0.1752



67.6746, 0.2600, 0.4560



16.7276, 0.3159, 0.3088



13.0321, 0.3582, 0.1747



1.1558, 0.3529, 0.1717

Previews

White Background



This preview shows how the Yxy color 24.1659, 0.3589, 0.1751 looks on a white background.

Color Contrast Check

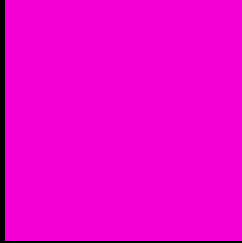
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1659, 0.3589, 0.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

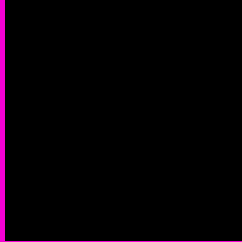
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1659, 0.3589, 0.1751

Background



This preview shows how black text looks on a background with the Yxy color 24.1659, 0.3589, 0.1751.



This preview shows how white text looks on a background with the Yxy color 24.1659, 0.3589, 0.1751.

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

24.1659, 0.3589, 0.1751

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.7665, 0.2360, 0.2301



Tritanopia

24.3835, 0.5167, 0.3248

Trichromacy



Original Color

24.1659, 0.3589, 0.1751



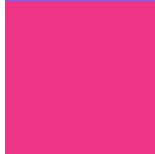
Protanomaly

17.5592, 0.2194, 0.1356



Deuteranomaly

18.3861, 0.2689, 0.1733



Tritanomaly

22.4168, 0.4656, 0.2560

Monochromacy



Original Color

24.1659, 0.3589, 0.1751



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.8886, 0.3374, 0.2095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1659, 0.3589, 0.1751 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(245, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 212) }
```

Border

The CSS property to change the border of an element to Yxy 24.1659, 0.3589, 0.1751 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(245, 0, 212) }
```

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

```
.border{ border-color:rgb(245, 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(245, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1659, 0.3589, 0.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 212) }
```

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

```
.background{ background-color: rgb(245, 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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