

Converting Colors

$Y_{xy}(23.5808, 0.3582, 0.1747)$

Have a look what the booklet for
Yxy(23.5808, 0.3582, 0.1747)
contains.

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Color

Yxy(23.5304, 0.3581, 0.1746)

Conversions

Conversions Part 1

Format	Color
Hex	F200D2
RGB	242, 0, 210
RGB Percent	95%, 0%, 82%
CMY	0.0508, 1.0000, 0.1764
CMYK	0.00, 1.00, 0.13, 0.05
HSL	308°, 100%, 47%
HSV	308°, 100%, 95%
XYZ	48.2602, 23.5304, 62.9768
YIQ	96.2980, 76.8220, 116.6140

Conversions

Conversions Part 2

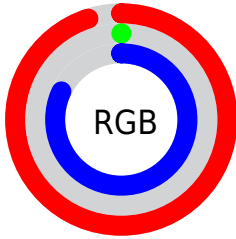
Format	Color
R _Y B	242, 0, 210
Decimal	15859922
CIE Lab	55.61, 90.21, -43.16
CIE LCh	56, 100.002, 334.429
Yxy	23.5304, 0.3581, 0.1746
Android (android.graphics.Color)	4294050002 (0xFFFF200D2)
YUV	96.2980, 56.0551, 127.7807
Hunter-Lab	48.5081, 92.6985, -43.0189

Details

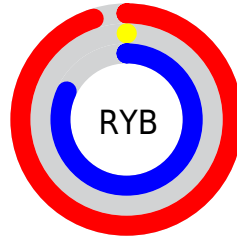
The Yxy color **23.5304, 0.3581, 0.1746** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.6291, 0.2976, 0.5913**, and the grayscale version is **11.6235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.1903, 0.3608, 0.1761** is the 20% darker color. If you saturate the color by 10%, you get **23.5369, 0.3581, 0.1746**, and if you desaturate by 10%, it is **24.3599, 0.3536, 0.1758**.

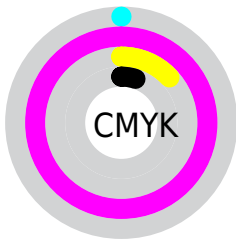
Distribution



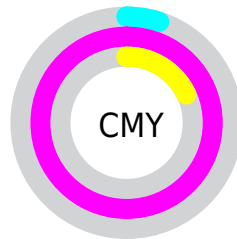
- Red (95%)
- Green (0%)
- Blue (82%)



- Red (95%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5304, 0.3581, 0.1746 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 23.5304, 0.3581, 0.1746 by changing the saturation by 10% instead.


 23.5304, 0.3581,
0.1746


 23.5304, 0.3581,
0.1746


270.4377, 0.3384,
0.2471


 14.9856, 0.3620,
0.1584


 49.2628, 0.3517,
0.1996

 8.8093, 0.3663,
0.1388


 67.2192, 0.3491,
0.2094


 4.6170, 0.3709,
0.1149


 89.0816, 0.3468,
0.2179

 2.0244, 0.3752,
0.0860

 115.2345, 0.3447,
0.2252

 0.6216, 0.3784,
0.0502

 146.0621, 0.3429,
0.2317

 0.0000, 0.3793,
0.0000

181.9489, 0.3412,

 0.0000, 0.3427,


0.2374


0.0000


223.2793, 0.3398,
0.2425


 0.0000, 0.0000,
0.0000

 23.5304, 0.3581,
0.1746


 23.5304, 0.3581,
0.1746


 23.5369, 0.3581,
0.1746

 24.3599, 0.3536,
0.1758

 26.0100, 0.3488,
0.1809

 28.7444, 0.3437,
0.1905

 32.7163, 0.3385,
0.2044

 38.0544, 0.3334,
0.2218

■ 44.8713, 0.3285,
0.2418

■ 53.2678, 0.3239,
0.2633

■ 63.3359, 0.3197,
0.2855

■ 75.1606, 0.3160,
0.3076

Harmonies

Analogous

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



23.5304, 0.2064, 0.1311



23.5304, 0.3581, 0.1746



23.5304, 0.5371, 0.2440

Triad

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



23.5304, 0.3581, 0.1746



23.5304, 0.4683, 0.5317



23.5304, 0.0788, 0.2106

Complementary

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



23.5304, 0.3581, 0.1746



63.6291, 0.2976, 0.5913

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.



23.5304, 0.1134, 0.3845



23.5304, 0.3581, 0.1746



23.5304, 0.3325, 0.6419

Square

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



23.5304, 0.3581, 0.1746



23.5304, 0.5806, 0.4125



23.5304, 0.2059, 0.6110



23.5304, 0.0835, 0.1380

Rectangle

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



23.5304, 0.3581, 0.1746



23.5304, 0.6099, 0.2955



23.5304, 0.2059, 0.6110



23.5304, 0.0849, 0.2549

Sweetspot

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



23.5369, 0.3581, 0.1746



59.8852, 0.3240, 0.2632



6.6631, 0.1535, 0.0619



11.9159, 0.3259, 0.2539



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.



23.5369, 0.3581, 0.1746



26.4943, 0.3582, 0.1747



19.6697, 0.5488, 0.2797



15.9933, 0.3158, 0.3088



12.6549, 0.3574, 0.1742



1.0627, 0.3519, 0.1712

Inverse Universe

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



23.5369, 0.3581, 0.1746



26.4943, 0.3582, 0.1747



65.7028, 0.2617, 0.4621



15.9933, 0.3158, 0.3088



12.6549, 0.3574, 0.1742



1.0627, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 23.5304, 0.3581, 0.1746 looks on a white background.

Color Contrast Check

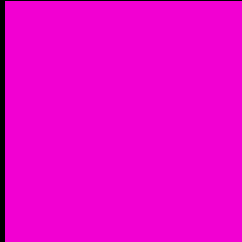
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5304, 0.3581, 0.1746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

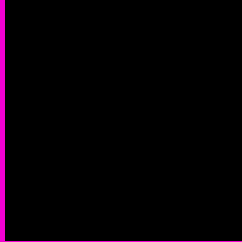
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5304, 0.3581, 0.1746

Background



This preview shows how black text looks on a background with the Yxy color 23.5304, 0.3581, 0.1746.



This preview shows how white text looks on a background with the Yxy color 23.5304, 0.3581, 0.1746.

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

23.5304, 0.3581, 0.1746

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.2696, 0.2355, 0.2306



Tritanopia

23.8636, 0.5155, 0.3257

Trichromacy



Original Color

23.5304, 0.3581, 0.1746



Protanomaly

17.0856, 0.2161, 0.1332



Deuteranomaly

17.9294, 0.2684, 0.1730



Tritanomaly

21.8743, 0.4641, 0.2557

Monochromacy



Original Color

23.5304, 0.3581, 0.1746



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.5332, 0.3376, 0.2096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5304, 0.3581, 0.1746 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(242, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 210)  
}
```

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(242, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 210) }
```

Border

The CSS property to change the border of an element to Yxy 23.5304, 0.3581, 0.1746 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(242, 0, 210) }
```

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

```
.border{ border-color:rgb(242, 0, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5304, 0.3581, 0.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 210) }
```

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

```
.background{ background-color: rgb(242, 0,  
210) }
```

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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