

Converting Colors

$Y_{xy}(24.9976, 0.3658, 0.1789)$

Have a look what the booklet for
Yxy(24.9976, 0.3658, 0.1789)
contains.

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Color

Yxy(25.0271, 0.3657, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	FA00D3
RGB	250, 0, 211
RGB Percent	98%, 0%, 83%
CMY	0.0195, 1.0000, 0.1726
CMYK	0.00, 1.00, 0.16, 0.02
HSL	309°, 100%, 49%
HSV	309°, 100%, 98%
XYZ	51.1880, 25.0271, 63.7575
YIQ	98.8040, 81.2690, 118.6210

Conversions

Conversions Part 2

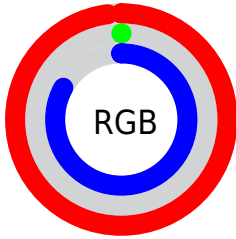
Format	Color
RYB	250, 0, 211
Decimal	16384211
CIELab	57.10, 91.70, -41.28
CIELCh	57, 100.569, 335.763
Yxy	25.0271, 0.3657, 0.1788
Android (android.graphics.Color)	4294574291 (0xFFFA00D3)
YUV	98.8040, 55.3126, 132.5989
Hunter-Lab	50.0271, 95.0947, -40.5438

Details

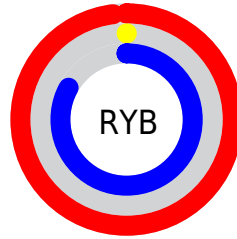
The Yxy color **25.0271, 0.3657, 0.1788** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **68.5331, 0.2969, 0.5887**, and the grayscale version is **12.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **13.0917, 0.3693, 0.1808** is the 20% darker color. If you saturate the color by 10%, you get **25.0314, 0.3657, 0.1788**, and if you desaturate by 10%, it is **25.9249, 0.3602, 0.1795**.

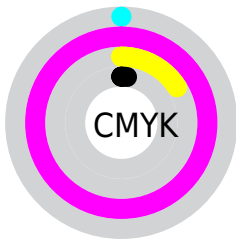
Distribution



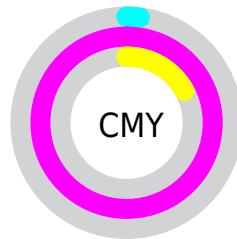
- Red (98%)
- Green (0%)
- Blue (83%)



- Red (98%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0271, 0.3657, 0.1788 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 25.0271, 0.3657, 0.1788 by changing the saturation by 10% instead.


 25.0271, 0.3657,
0.1788


 25.0271, 0.3657,
0.1788


277.9729, 0.3420,
0.2490


 16.0972, 0.3707,
0.1631


 51.7012, 0.3578,
0.2030

 9.5930, 0.3765,
0.1441


 70.2142, 0.3546,
0.2125


 5.1299, 0.3832,
0.1210


 92.6904, 0.3518,
0.2207

 2.3237, 0.3906,
0.0927

 119.5142, 0.3493,
0.2278

 0.7862, 0.3980,
0.0588

 151.0699, 0.3472,
0.2341

 0.0000, 0.4109,
0.0000

187.7420, 0.3452,


 0.0000, 0.3899,


0.2397


0.0000


229.9149, 0.3435,
0.2446


 0.0000, 0.0000,
0.0000


 25.0271, 0.3657,
0.1788


 25.0271, 0.3657,
0.1788

 25.0314, 0.3657,
0.1788

 25.9249, 0.3602,
0.1795

 27.7141, 0.3545,
0.1842

 30.6734, 0.3484,
0.1935

 34.9691, 0.3423,
0.2071

 40.7407, 0.3363,
0.2242

■ 48.1102, 0.3306,
0.2438

■ 57.1868, 0.3254,
0.2649

■ 68.0701, 0.3206,
0.2866

■ 80.8521, 0.3164,
0.3081

Harmonies

Analogous

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



25.0271, 0.2129, 0.1341



25.0271, 0.3657, 0.1788



25.0271, 0.5406, 0.2487

Triad

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



25.0271, 0.3657, 0.1788



25.0271, 0.4629, 0.5371



25.0271, 0.0802, 0.2075

Complementary

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



25.0271, 0.3657, 0.1788



68.5331, 0.2969, 0.5887

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.



25.0271, 0.1130, 0.3739



25.0271, 0.3657, 0.1788



25.0271, 0.3281, 0.6413

Square

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



25.0271, 0.3657, 0.1788



25.0271, 0.5744, 0.4177



25.0271, 0.2028, 0.5989



25.0271, 0.0862, 0.1382

Rectangle

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



25.0271, 0.3657, 0.1788



25.0271, 0.6088, 0.3001



25.0271, 0.2028, 0.5989



25.0271, 0.0859, 0.2498

Sweetspot

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



25.0314, 0.3657, 0.1788



59.7747, 0.3254, 0.2648



7.3064, 0.1552, 0.0628



11.8892, 0.3275, 0.2558



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.



25.0314, 0.3657, 0.1788



26.1763, 0.3657, 0.1788



21.0250, 0.5624, 0.2872



17.4753, 0.3162, 0.3092



13.2922, 0.3648, 0.1784



1.2432, 0.3587, 0.1750

Inverse Universe

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



25.0314, 0.3657, 0.1788



26.1763, 0.3657, 0.1788



71.0134, 0.2584, 0.4501



17.4753, 0.3162, 0.3092



13.2922, 0.3648, 0.1784



1.2432, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 25.0271, 0.3657, 0.1788 looks on a white background.

Color Contrast Check

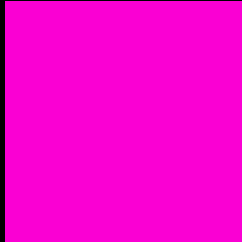
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0271, 0.3657, 0.1788 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 25.0271, 0.3657, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 25.0271, 0.3657, 0.1788.



This preview shows how white text looks on a background with the Yxy color 25.0271, 0.3657, 0.1788.

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

25.0271, 0.3657, 0.1788

Protanopia

26.0438, 0.1926, 0.1694

Deuteranopia

25.6134, 0.2409, 0.2354



Tritanopia

25.2418, 0.5208, 0.3250

Trichromacy



Original Color

25.0271, 0.3657, 0.1788



Protanomaly

18.3765, 0.2246, 0.1397



Deuteranomaly

19.0207, 0.2753, 0.1775



Tritanomaly

23.2943, 0.4708, 0.2582

Monochromacy



Original Color

25.0271, 0.3657, 0.1788



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.3185, 0.3403, 0.2113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0271, 0.3657, 0.1788 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(250, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 211)  
}
```

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(250, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 211) }
```

Border

The CSS property to change the border of an element to Yxy 25.0271, 0.3657, 0.1788 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(250, 0, 211) }
```

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

```
.border{ border-color:rgb(250, 0, 211) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0271, 0.3657, 0.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 211) }
```

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

```
.background{ background-color: rgb(250, 0,  
211) }
```

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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