

Converting Colors

$Y_{xy}(26.1351, 0.3668, 0.1794)$

Have a look what the booklet for
Yxy(26.1351, 0.3668, 0.1794)
contains.

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Color

Yxy(26.1150, 0.3673, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	FF00D6
RGB	255, 0, 214
RGB Percent	100%, 0%, 84%
CMY	0.0000, 0.9999, 0.1609
CMYK	0.00, 1.00, 0.16, 0.00
HSL	310°, 100%, 50%
HSV	310°, 100%, 100%
XYZ	53.3781, 26.1150, 65.8325
YIQ	100.6410, 83.2860, 120.6140

Conversions

Conversions Part 2

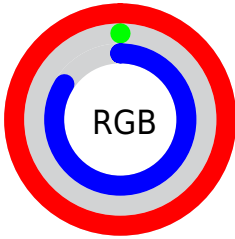
Format	Color
RYB	255, 0, 214
Decimal	16711894
CIELab	58.15, 92.92, -41.28
CIELCh	58, 101.681, 336.048
Yxy	26.1150, 0.3673, 0.1797
Android (android.graphics.Color)	4294901974 (0xFFFF00D6)
YUV	100.6410, 55.8860, 135.3728
Hunter-Lab	51.1028, 97.0173, -40.6075

Details

The Yxy color **26.1150, 0.3673, 0.1797** 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 **71.6805, 0.2967, 0.5882**, and the grayscale version is **12.7568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.8407, 0.3714, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **26.1139, 0.3673, 0.1797**, and if you desaturate by 10%, it is **27.0439, 0.3616, 0.1802**.

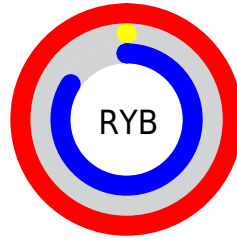
Distribution



Red (100%)

Green (0%)

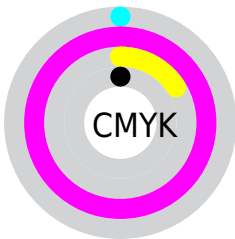
Blue (84%)



Red (100%)

Yellow (0%)

Blue (84%)

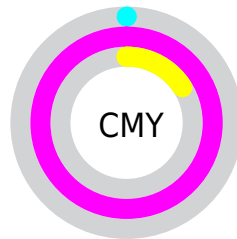


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1150, 0.3673, 0.1797 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 26.1150, 0.3673, 0.1797 by changing the saturation by 10% instead.


 26.1150, 0.3673,
0.1797


 26.1150, 0.3673,
0.1797


283.3461, 0.3428,
0.2491


 16.9097, 0.3724,
0.1643


 53.4604, 0.3591,
0.2035

 10.1701, 0.3785,
0.1457


 72.3693, 0.3558,
0.2129


 5.5119, 0.3855,
0.1230


 95.2815, 0.3530,
0.2210

 2.5506, 0.3935,
0.0954

 122.5814, 0.3504,
0.2281

 0.9019, 0.4017,
0.0623

 154.6535, 0.3482,
0.2343

 0.0000, 0.4183,
0.0000

191.8820, 0.3462,

 0.0000, 0.4008,

0.2398

0.0000

234.6514, 0.3444,
0.2447

■ 0.0000, 0.0000,
0.0000

■ 26.1150, 0.3673,
0.1797

■ 26.1150, 0.3673,
0.1797

■ 26.1139, 0.3673,
0.1797

■ 27.0439, 0.3616,
0.1802

■ 28.9131, 0.3556,
0.1848

■ 32.0073, 0.3494,
0.1941

■ 36.5014, 0.3431,
0.2076

■ 42.5418, 0.3369,
0.2246

■ 50.2564, 0.3311,
0.2441

■ 59.7601, 0.3257,
0.2652

■ 71.1573, 0.3208,
0.2868

■ 84.5446, 0.3165,
0.3082

Harmonies

Analogous

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



26.1150, 0.2143, 0.1348



26.1150, 0.3673, 0.1797



26.1150, 0.5413, 0.2497

Triad

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



26.1150, 0.3673, 0.1797



26.1150, 0.4618, 0.5382



26.1150, 0.0806, 0.2068

Complementary

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



26.1150, 0.3673, 0.1797



71.6805, 0.2967, 0.5882

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.



26.1150, 0.1129, 0.3718



26.1150, 0.3673, 0.1797



26.1150, 0.3272, 0.6411

Square

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



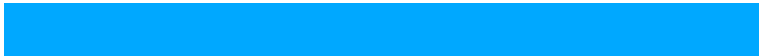
26.1150, 0.3673, 0.1797



26.1150, 0.5730, 0.4188



26.1150, 0.2022, 0.5963



26.1150, 0.0868, 0.1382

Rectangle

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



26.1150, 0.3673, 0.1797



26.1150, 0.6085, 0.3011



26.1150, 0.2022, 0.5963



26.1150, 0.0861, 0.2487

Sweetspot

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



26.1144, 0.3673, 0.1797



59.7527, 0.3257, 0.2651



7.6375, 0.1551, 0.0628



11.8838, 0.3279, 0.2562



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.



26.1144, 0.3673, 0.1797



26.1139, 0.3673, 0.1797



21.9861, 0.5626, 0.2873



18.2472, 0.3163, 0.3093



13.6638, 0.3664, 0.1792



1.3432, 0.3603, 0.1759

Inverse Universe

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



26.1144, 0.3673, 0.1797



26.1139, 0.3673, 0.1797



74.2644, 0.2584, 0.4503



18.2472, 0.3163, 0.3093



13.6638, 0.3664, 0.1792



1.3432, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 26.1150, 0.3673, 0.1797 looks on a white background.

Color Contrast Check

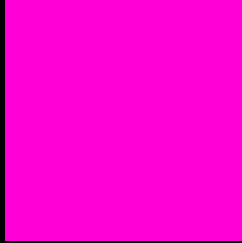
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1150, 0.3673, 0.1797 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 26.1150, 0.3673, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 26.1150, 0.3673, 0.1797.



This preview shows how white text looks on a background with the Yxy color 26.1150, 0.3673, 0.1797.

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

26.1150, 0.3673, 0.1797

Protanopia

26.9052, 0.1959, 0.1729

Deuteranopia

26.5338, 0.2417, 0.2354



Tritanopia

26.2950, 0.5228, 0.3251

Trichromacy



Original Color

26.1150, 0.3673, 0.1797



Protanomaly

19.1274, 0.2292, 0.1423



Deuteranomaly

19.7605, 0.2770, 0.1778



Tritanomaly

24.2239, 0.4741, 0.2593

Monochromacy



Original Color

26.1150, 0.3673, 0.1797



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.7879, 0.3415, 0.2118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1150, 0.3673, 0.1797 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(255, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 214) }
```

Border

The CSS property to change the border of an element to Yxy 26.1150, 0.3673, 0.1797 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(255, 0, 214) }
```

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

```
.border{ border-color:rgb(255, 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(255, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1150, 0.3673, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 214) }
```

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

```
.background{ background-color: rgb(255, 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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