

Converting Colors

$Yxy(49.6636, 0.4724, 0.2218)$

Have a look what the booklet for
Yxy(49.6636, 0.4724, 0.2218)
contains.

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Color

Yxy(26.1663, 0.3660, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	FF00D7
RGB	255, 0, 215
RGB Percent	100%, 0%, 84%
CMY	0.0000, 0.9994, 0.1569
CMYK	0.00, 1.00, 0.16, 0.00
HSL	309°, 100%, 50%
HSV	309°, 100%, 100%
XYZ	53.5020, 26.1663, 66.5121
YIQ	100.7550, 82.9650, 120.9250

Conversions

Conversions Part 2

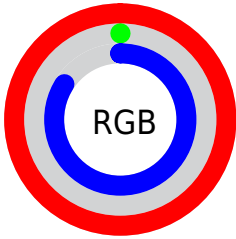
Format	Color
R_{YB}	255, 0, 215
Decimal	16711895
CIE _{Lab}	58.19, 93.03, -41.78
CIE _{LCh}	58, 101.984, 335.818
Yxy	26.1663, 0.3660, 0.1790
Android (android.graphics.Color)	4294901975 (0xFFFF00D7)
YUV	100.7550, 56.3228, 135.2729
Hunter-Lab	51.1530, 97.1793, -41.2852

Details

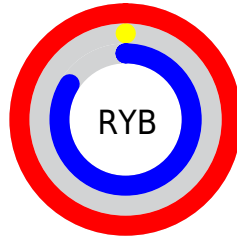
The Yxy color **26.1663, 0.3660, 0.1790** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6703, 0.2968, 0.5886**, and the grayscale version is **12.8085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.8755, 0.3697, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **26.1629, 0.3660, 0.1790**, and if you desaturate by 10%, it is **27.0963, 0.3605, 0.1796**.

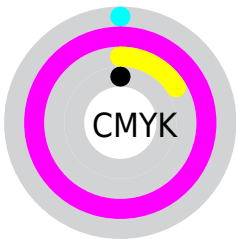
Distribution



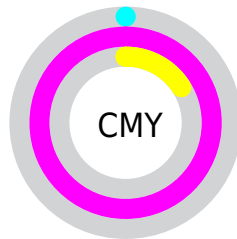
- Red (100%)
- Green (0%)
- Blue (84%)



- 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 26.1663, 0.3660, 0.1790 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 26.1663, 0.3660, 0.1790 by changing the saturation by 10% instead.


 26.1663, 0.3660,
0.1790


 26.1663, 0.3660,
0.1790

283.5975, 0.3423,
0.2486


 16.9481, 0.3709,
0.1636


 53.5431, 0.3581,
0.2029

 10.1975, 0.3767,
0.1450


 72.4705, 0.3549,
0.2123


 5.5301, 0.3834,
0.1223


 95.4031, 0.3521,
0.2204

 2.5615, 0.3908,
0.0947

 122.7252, 0.3497,
0.2275

 0.9074, 0.3982,
0.0618

 154.8213, 0.3475,
0.2337

 0.0000, 0.4134,
0.0000

192.0758, 0.3456,

 0.0000, 0.3944,

0.2393

0.0000

234.8731, 0.3438,
0.2442

■ 0.0000, 0.0000,
0.0000

■ 26.1663, 0.3660,
0.1790

■ 26.1663, 0.3660,
0.1790

■ 26.1629, 0.3660,
0.1790

■ 27.0963, 0.3605,
0.1796

■ 28.9674, 0.3547,
0.1843

■ 32.0644, 0.3486,
0.1936

■ 36.5617, 0.3424,
0.2072

■ 42.6057, 0.3364,
0.2243

■ 50.3243, 0.3307,
0.2439

■ 59.8321, 0.3254,
0.2650

■ 71.2336, 0.3206,
0.2867

■ 84.6253, 0.3164,
0.3083

Harmonies

Analogous

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



26.1663, 0.2132, 0.1343



26.1663, 0.3660, 0.1790



26.1663, 0.5407, 0.2489

Triad

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



26.1663, 0.3660, 0.1790



26.1663, 0.4627, 0.5373



26.1663, 0.0803, 0.2074

Complementary

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



26.1663, 0.3660, 0.1790



71.6703, 0.2968, 0.5886

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.



26.1663, 0.1130, 0.3735



26.1663, 0.3660, 0.1790



26.1663, 0.3280, 0.6412

Square

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



26.1663, 0.3660, 0.1790



26.1663, 0.5740, 0.4178



26.1663, 0.2027, 0.5983



26.1663, 0.0863, 0.1382

Rectangle

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



26.1663, 0.3660, 0.1790



26.1663, 0.6087, 0.3004



26.1663, 0.2027, 0.5983



26.1663, 0.0860, 0.2496

Sweetspot

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



26.1676, 0.3660, 0.1790



59.7706, 0.3254, 0.2649



7.6424, 0.1551, 0.0629



11.8882, 0.3276, 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.



26.1676, 0.3660, 0.1790



26.1647, 0.3660, 0.1790



21.9892, 0.5625, 0.2873



18.2485, 0.3162, 0.3092



13.6900, 0.3652, 0.1785



1.3456, 0.3593, 0.1753

Inverse Universe

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



26.1676, 0.3660, 0.1790



26.1647, 0.3660, 0.1790



74.2619, 0.2584, 0.4502



18.2485, 0.3162, 0.3092



13.6900, 0.3652, 0.1785



1.3456, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 26.1663, 0.3660, 0.1790 looks on a white background.

Color Contrast Check

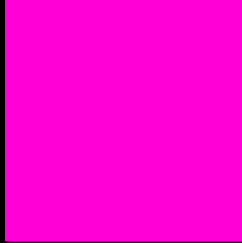
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1663, 0.3660, 0.1790 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 26.1663, 0.3660, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 26.1663, 0.3660, 0.1790.



This preview shows how white text looks on a background with the Yxy color 26.1663, 0.3660, 0.1790.

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

26.1663, 0.3660, 0.1790

Protanopia

26.9052, 0.1959, 0.1729

Deuteranopia

26.8720, 0.2413, 0.2357



Tritanopia

26.4514, 0.5221, 0.3260

Trichromacy



Original Color

26.1663, 0.3660, 0.1790



Protanomaly

19.1274, 0.2292, 0.1423



Deuteranomaly

19.9746, 0.2761, 0.1780



Tritanomaly

24.3441, 0.4722, 0.2589

Monochromacy



Original Color

26.1663, 0.3660, 0.1790



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 26.1663, 0.3660, 0.1790 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 215) }
```

Border

The CSS property to change the border of an element to Yxy 26.1663, 0.3660, 0.1790 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, 215) }
```

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

```
.border{ border-color:rgb(255, 0, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1663, 0.3660, 0.1790 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, 215) }
```

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

```
.background{ background-color: rgb(255, 0,  
215) }
```

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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