

Converting Colors

$Y_{xy}(26.6587, 0.3545, 0.1727)$

Have a look what the booklet for
Yxy(26.6587, 0.3545, 0.1727)
contains.

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Color

Yxy(26.6418, 0.3549, 0.1729)

Conversions

Conversions Part 1

Format	Color
Hex	FF00E0
RGB	255, 0, 224
RGB Percent	100%, 0%, 88%
CMY	0.0001, 0.9988, 0.1217
CMYK	0.00, 1.00, 0.12, 0.00
HSL	307°, 100%, 50%
HSV	307°, 100%, 100%
XYZ	54.6858, 26.6418, 72.7603
YIQ	101.7810, 80.0760, 123.7240

Conversions

Conversions Part 2

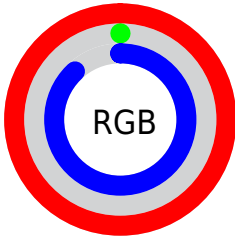
Format	Color
RYB	255, 0, 224
Decimal	16711904
CIELab	58.64, 94.13, -46.16
CIElCh	59, 104.841, 333.877
Yxy	26.6418, 0.3549, 0.1729
Android (android.graphics.Color)	4294901984 (0xFFFF00E0)
YUV	101.7810, 60.2540, 134.3731
Hunter-Lab	51.6157, 98.7897, -47.4474

Details

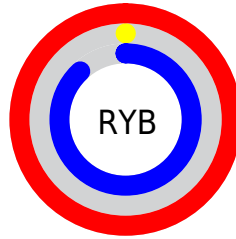
The Yxy color **26.6418, 0.3549, 0.1729** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6102, 0.2979, 0.5925**, and the grayscale version is **13.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.1646, 0.3567, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **26.6346, 0.3549, 0.1729**, and if you desaturate by 10%, it is **27.5365, 0.3508, 0.1741**.

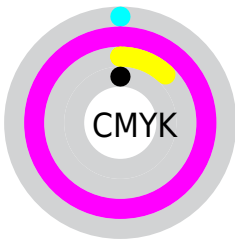
Distribution



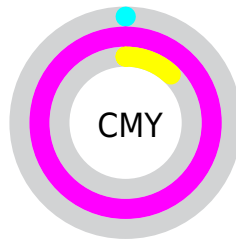
- Red (100%)
- Green (0%)
- Blue (88%)



- Red (100%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6418, 0.3549, 0.1729 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 26.6418, 0.3549, 0.1729 by changing the saturation by 10% instead.

 26.6418, 0.3549,
0.1729


 26.6418, 0.3549,
0.1729


285.9186, 0.3375,
0.2444


 17.3044, 0.3581,
0.1573


 54.3085, 0.3494,
0.1972


 10.4518, 0.3616,
0.1387


 73.4066, 0.3471,
0.2068

 5.6995, 0.3651,
0.1163


 96.5271, 0.3451,
0.2152

 2.6632, 0.3682,
0.0894

 124.0543, 0.3432,
0.2225

 0.9586, 0.3694,
0.0579

 156.3727, 0.3416,
0.2289

 0.0000, 0.3737,
0.0000

193.8666, 0.3401,

 0.0000, 0.3433,

0.2347

0.0000

236.9204, 0.3387,
0.2398

■ 0.0000, 0.0718,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 26.6418, 0.3549,
0.1729

■ 26.6418, 0.3549,
0.1729

■ 26.6346, 0.3549,
0.1729

■ 27.5365, 0.3508,
0.1741

■ 29.3734, 0.3464,
0.1793

■ 32.4351, 0.3418,
0.1891

■ 36.8958, 0.3370,
0.2031

42.9018, 0.3322,
0.2207

50.5809, 0.3276,
0.2409

60.0475, 0.3233,
0.2627

71.4060, 0.3193,
0.2852

84.7529, 0.3158,
0.3075

Harmonies

Analogous

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



26.6418, 0.2037, 0.1299



26.6418, 0.3549, 0.1729



26.6418, 0.5355, 0.2421

Triad

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



26.6418, 0.3549, 0.1729



26.6418, 0.4706, 0.5294



26.6418, 0.0782, 0.2120

Complementary

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



26.6418, 0.3549, 0.1729



71.6102, 0.2979, 0.5925

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.



26.6418, 0.1136, 0.3890



26.6418, 0.3549, 0.1729



26.6418, 0.3344, 0.6419

Square

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



26.6418, 0.3549, 0.1729



26.6418, 0.5826, 0.4099



26.6418, 0.2072, 0.6159



26.6418, 0.0824, 0.1379

Rectangle

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



26.6418, 0.3549, 0.1729



26.6418, 0.6102, 0.2936



26.6418, 0.2072, 0.6159



26.6418, 0.0846, 0.2571

Sweetspot

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



26.6431, 0.3549, 0.1729



59.9346, 0.3233, 0.2624



7.5016, 0.1534, 0.0619



11.9279, 0.3251, 0.2531



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.



26.6431, 0.3549, 0.1729



26.6392, 0.3549, 0.1729



22.1434, 0.5491, 0.2799



18.2600, 0.3157, 0.3084



13.9346, 0.3543, 0.1725



1.3670, 0.3500, 0.1702

Inverse Universe

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



26.6431, 0.3549, 0.1729



26.6392, 0.3549, 0.1729



73.9560, 0.2618, 0.4624



18.2600, 0.3157, 0.3084



13.9346, 0.3543, 0.1725



1.3670, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 26.6418, 0.3549, 0.1729 looks on a white background.

Color Contrast Check

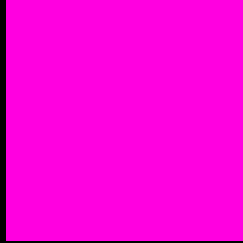
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6418, 0.3549, 0.1729 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 26.6418, 0.3549, 0.1729

Background



This preview shows how black text looks on a background with the Yxy color 26.6418, 0.3549, 0.1729.



This preview shows how white text looks on a background with the Yxy color 26.6418, 0.3549, 0.1729.

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

26.6418, 0.3549, 0.1729

Protanopia

27.5701, 0.1973, 0.1758

Deuteranopia

27.1476, 0.2325, 0.2267



Tritanopia

26.8244, 0.5140, 0.3249

Trichromacy



Original Color

26.6418, 0.3549, 0.1729



Protanomaly

19.7874, 0.2280, 0.1421



Deuteranomaly

20.1111, 0.2650, 0.1706



Tritanomaly

24.5256, 0.4611, 0.2537

Monochromacy



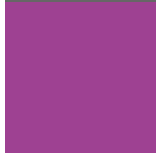
Original Color

26.6418, 0.3549, 0.1729



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.1250, 0.3366, 0.2086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6418, 0.3549, 0.1729 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 224) }
```

Border

The CSS property to change the border of an element to Yxy 26.6418, 0.3549, 0.1729 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, 224) }
```

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

```
.border{ border-color:rgb(255, 0, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6418, 0.3549, 0.1729 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, 224) }
```

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

```
.background{ background-color: rgb(255, 0,  
224) }
```

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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