

Converting Colors

$Y_{xy}(26.7763, 0.3520, 0.1712)$

Have a look what the booklet for
Yxy(26.7763, 0.3520, 0.1712)
contains.

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Color

Yxy(26.7510, 0.3525, 0.1716)

Conversions

Conversions Part 1

Format	Color
Hex	FF01E2
RGB	255, 1, 226
RGB Percent	100%, 0%, 89%
CMY	0.0002, 0.9980, 0.1139
CMYK	0.00, 1.00, 0.11, 0.00
HSL	307°, 100%, 50%
HSV	307°, 100%, 100%
XYZ	54.9518, 26.7510, 74.1888
YIQ	102.5960, 79.1590, 123.8230

Conversions

Conversions Part 2

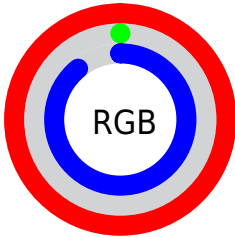
Format	Color
RYB	255, 1, 226
Decimal	16712162
CIELab	58.74, 94.37, -47.12
CIELCh	59, 105.478, 333.464
Yxy	26.7510, 0.3525, 0.1716
Android (android.graphics.Color)	4294902242 (0xFFFF01E2)
YUV	102.5960, 60.8382, 133.6583
Hunter-Lab	51.7214, 99.1364, -48.8403

Details

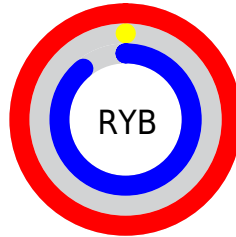
The Yxy color **26.7510, 0.3525, 0.1716** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.5893, 0.2981, 0.5932**, and the grayscale version is **13.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.2397, 0.3536, 0.1721** is the 20% darker color. If you saturate the color by 10%, you get **26.7380, 0.3526, 0.1716**, and if you desaturate by 10%, it is **27.6413, 0.3487, 0.1730**.

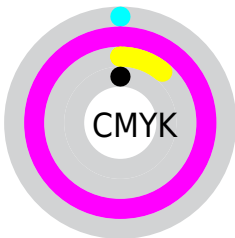
Distribution



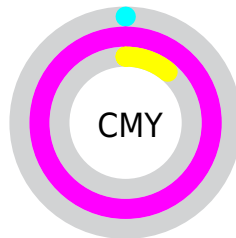
- Red (100%)
- Green (0%)
- Blue (89%)



- Red (100%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7510, 0.3525, 0.1716 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 26.7510, 0.3525, 0.1716 by changing the saturation by 10% instead.


 26.7510, 0.3525,
0.1716


 26.7510, 0.3525,
0.1716


286.4495, 0.3364,
0.2435

 17.3863, 0.3553,
0.1560

 54.4840, 0.3475,
0.1960


 10.5103, 0.3583,
0.1374


 73.6212, 0.3454,
0.2056

 5.7386, 0.3613,
0.1151


 96.7846, 0.3435,
0.2140

 2.6868, 0.3635,
0.0883

 124.3587, 0.3418,
0.2214

 0.9705, 0.3634,
0.0571

 156.7278, 0.3403,
0.2279

 0.0000, 0.3656,
0.0000

194.2764, 0.3389,

 0.0000, 0.3333,

0.2337

0.0000

237.3888, 0.3376,
0.2388

■ 0.0000, 0.0837,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 26.7510, 0.3525,
0.1716

■ 26.7510, 0.3525,
0.1716

■ 26.7380, 0.3526,
0.1716

■ 27.6413, 0.3487,
0.1730

■ 29.4777, 0.3446,
0.1783

■ 32.5399, 0.3402,
0.1882

■ 37.0018, 0.3357,
0.2023

43.0094, 0.3312,
0.2200

50.6904, 0.3269,
0.2404

60.1591, 0.3228,
0.2623

71.5198, 0.3190,
0.2850

84.8689, 0.3156,
0.3075

Harmonies

Analogous

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



26.7510, 0.2017, 0.1290



26.7510, 0.3525, 0.1716



26.7510, 0.5343, 0.2407

Triad

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



26.7510, 0.3525, 0.1716



26.7510, 0.4723, 0.5277



26.7510, 0.0778, 0.2131

Complementary

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



26.7510, 0.3525, 0.1716



71.5893, 0.2981, 0.5932

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.



26.7510, 0.1138, 0.3924



26.7510, 0.3525, 0.1716



26.7510, 0.3358, 0.6419

Square

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



26.7510, 0.3525, 0.1716



26.7510, 0.5844, 0.4082



26.7510, 0.2082, 0.6196



26.7510, 0.0816, 0.1379

Rectangle

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



26.7510, 0.3525, 0.1716



26.7510, 0.6105, 0.2921



26.7510, 0.2082, 0.6196



26.7510, 0.0843, 0.2588

Sweetspot

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



26.7523, 0.3525, 0.1716



59.9712, 0.3229, 0.2619



7.4476, 0.1527, 0.0616



11.9368, 0.3246, 0.2525



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.



26.7523, 0.3525, 0.1716



26.7475, 0.3526, 0.1716



22.2287, 0.5421, 0.2761



18.2626, 0.3156, 0.3082



13.9904, 0.3520, 0.1713



1.3719, 0.3480, 0.1690

Inverse Universe

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



26.7523, 0.3525, 0.1716



26.7475, 0.3526, 0.1716



73.8039, 0.2635, 0.4683



18.2626, 0.3156, 0.3082



13.9904, 0.3520, 0.1713



1.3719, 0.3480, 0.1690

Previews

White Background



This preview shows how the Yxy color 26.7510, 0.3525, 0.1716 looks on a white background.

Color Contrast Check

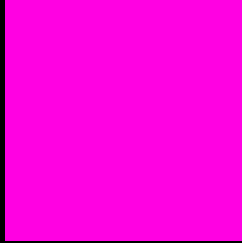
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7510, 0.3525, 0.1716 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 26.7510, 0.3525, 0.1716

Background



This preview shows how black text looks on a background with the Yxy color 26.7510, 0.3525, 0.1716.



This preview shows how white text looks on a background with the Yxy color 26.7510, 0.3525, 0.1716.

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

26.7727, 0.3525, 0.1717

Protanopia

27.6165, 0.1977, 0.1760

Deuteranopia

27.4790, 0.2310, 0.2258



Tritanopia

27.0076, 0.5120, 0.3249

Trichromacy



Original Color

26.7727, 0.3525, 0.1717



Protanomaly

19.8795, 0.2288, 0.1424



Deuteranomaly

20.2785, 0.2624, 0.1696



Tritanomaly

24.6534, 0.4592, 0.2532

Monochromacy



Original Color

26.7727, 0.3525, 0.1717



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.1563, 0.3351, 0.2074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7510, 0.3525, 0.1716 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, 1, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 226)  
}
```

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, 1, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 226) }
```

Border

The CSS property to change the border of an element to Yxy 26.7510, 0.3525, 0.1716 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, 1, 226) }
```

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

```
.border{ border-color:rgb(255, 1, 226) }
```

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

Here you see how a box with a 4 pixel rgb(255, 1, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 1,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7510, 0.3525, 0.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 226) }
```

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

```
.background{ background-color: rgb(255, 1,  
226) }
```

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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