

Converting Colors

$Y_{xy}(27.8756, 0.3306, 0.1595)$

Have a look what the booklet for
Yxy(27.8756, 0.3306, 0.1595)
contains.

Yxy(27.8526, 0.3312, 0.1598)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(27.8526, 0.3312, 0.1598)

Conversions

Conversions Part 1

Format	Color
Hex	FF00F5
RGB	255, 0, 245
RGB Percent	100%, 0%, 96%
CMY	0.0000, 1.0000, 0.0392
CMYK	0.00, 1.00, 0.04, 0.00
HSL	302°, 100%, 50%
HSV	302°, 100%, 100%
XYZ	57.7270, 27.8526, 88.7170
YIQ	104.1750, 73.3350, 130.2550

Conversions

Conversions Part 2

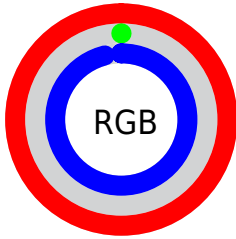
Format	Color
RYB	255, 0, 245
Decimal	16711925
CIELab	59.76, 96.90, -56.19
CIELCh	60, 112.012, 329.892
Yxy	27.8526, 0.3312, 0.1598
Android (android.graphics.Color)	4294902005 (0xFFFF00F5)
YUV	104.1750, 69.4267, 132.2735
Hunter-Lab	52.7756, 102.8899, -62.7250

Details

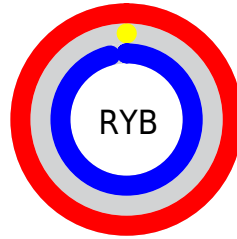
The Yxy color **27.8526, 0.3312, 0.1598** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5419, 0.2995, 0.5984**, and the grayscale version is **13.6888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **14.9683, 0.3275, 0.1578** is the 20% darker color. If you saturate the color by 10%, you get **27.8524, 0.3312, 0.1598**, and if you desaturate by 10%, it is **28.6305, 0.3299, 0.1622**.

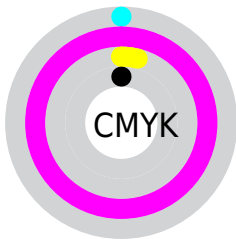
Distribution



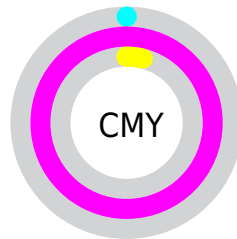
- Red (100%)
- Green (0%)
- Blue (96%)



- Red (100%)
- Yellow (0%)
- Blue (96%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8526, 0.3312, 0.1598 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 27.8526, 0.3312, 0.1598 by changing the saturation by 10% instead.


 27.8526, 0.3312,
0.1598


 27.8526, 0.3312,
0.1598


291.7619, 0.3269,
0.2349


 18.2146, 0.3310,
0.1441


 56.2490, 0.3307,
0.1848


 11.1042, 0.3300,
0.1257


 75.7762, 0.3302,
0.1949

 6.1369, 0.3278,
0.1040


 99.3686, 0.3297,
0.2036

 2.9285, 0.3231,
0.0787

 127.4105, 0.3291,
0.2114

 1.0945, 0.3137,
0.0502

 160.2864, 0.3285,
0.2183

 0.0000, 0.3016,
0.0000

198.3807, 0.3280,

 0.0000, 0.2585,

0.2244

0.0000

242.0777, 0.3275,
0.2299

■ 0.0000, 0.1290,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.8526, 0.3312,
0.1598

■ 27.8526, 0.3312,
0.1598

■ 27.8524, 0.3312,
0.1598

■ 28.6305, 0.3299,
0.1622

■ 30.3429, 0.3284,
0.1683

■ 33.2752, 0.3267,
0.1788

■ 37.6022, 0.3248,
0.1936

43.4703, 0.3227,
0.2121

51.0074, 0.3206,
0.2335

60.3283, 0.3185,
0.2568

71.5375, 0.3164,
0.2810

84.7315, 0.3145,
0.3053

Harmonies

Analogous

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



27.8526, 0.1839, 0.1205



27.8526, 0.3312, 0.1598



27.8526, 0.5237, 0.2274

Triad

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



27.8526, 0.3312, 0.1598



27.8526, 0.4878, 0.5122



27.8526, 0.0733, 0.2224

Complementary

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



27.8526, 0.3312, 0.1598



71.5419, 0.2995, 0.5984

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.



27.8526, 0.1145, 0.4250



27.8526, 0.3312, 0.1598



27.8526, 0.3480, 0.6425

Square

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



27.8526, 0.3312, 0.1598



27.8526, 0.6012, 0.3928



27.8526, 0.2158, 0.6527



27.8526, 0.0740, 0.1371

Rectangle

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



27.8526, 0.3312, 0.1598



27.8526, 0.6132, 0.2789



27.8526, 0.2158, 0.6527



27.8526, 0.0811, 0.2745

Sweetspot

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



27.8524, 0.3312, 0.1598



60.3283, 0.3185, 0.2568



7.2749, 0.1507, 0.0604



12.0236, 0.3194, 0.2468



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.



27.8524, 0.3312, 0.1598



22.5919, 0.5145, 0.2608



18.2873, 0.3144, 0.3065



14.5589, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Inverse Universe

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



27.8524, 0.3312, 0.1598



73.2976, 0.2701, 0.4925



18.2873, 0.3144, 0.3065



14.5589, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 27.8526, 0.3312, 0.1598 looks on a white background.

Color Contrast Check

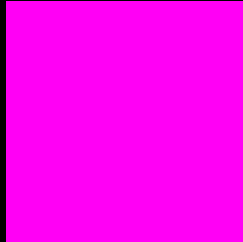
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8526, 0.3312, 0.1598 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 27.8526, 0.3312, 0.1598

Background



This preview shows how black text looks on a background with the Yxy color 27.8526, 0.3312, 0.1598.



This preview shows how white text looks on a background with the Yxy color 27.8526, 0.3312, 0.1598.

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

27.8526, 0.3312, 0.1598

Protanopia

28.7397, 0.2007, 0.1806

Deuteranopia

28.5054, 0.2147, 0.2086



Tritanopia

27.8503, 0.4940, 0.3236

Trichromacy



Original Color

27.8526, 0.3312, 0.1598



Protanomaly

20.7614, 0.2275, 0.1404



Deuteranomaly

20.5225, 0.2408, 0.1537



Tritanomaly

25.0831, 0.4373, 0.2429

Monochromacy



Original Color

27.8526, 0.3312, 0.1598



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.6339, 0.3246, 0.1997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8526, 0.3312, 0.1598 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 27.8526, 0.3312, 0.1598 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, 245) }
```

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

```
.border{ border-color:rgb(255, 0, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
245) }
```

Background

The CSS property to change the background color of an element to Yxy 27.8526, 0.3312, 0.1598 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, 245) }
```

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

```
.background{ background-color: rgb(255, 0,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor