

Converting Colors

Yxy(25.9824, 0.3313, 0.1599)

Have a look what the booklet for
Yxy(25.9824, 0.3313, 0.1599)
contains.

Yxy(25.8886, 0.3315, 0.1600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8886, 0.3315, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	F700ED
RGB	247, 0, 237
RGB Percent	97%, 0%, 93%
CMY	0.0314, 0.9992, 0.0707
CMYK	0.00, 1.00, 0.04, 0.03
HSL	302°, 100%, 48%
HSV	302°, 100%, 97%
XYZ	53.6379, 25.8886, 82.2772
YIQ	100.8710, 71.1350, 126.0710

Conversions

Conversions Part 2

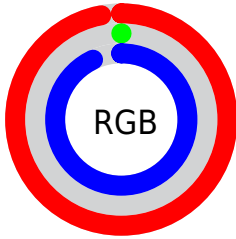
Format	Color
RYB	247, 0, 237
Decimal	16187629
CIELab	57.93, 94.52, -54.70
CIELCh	58, 109.206, 329.942
Yxy	25.8886, 0.3315, 0.1600
Android (android.graphics.Color)	4294377709 (0xFFFF700ED)
YUV	100.8710, 67.1116, 128.1551
Hunter-Lab	50.8808, 99.1310, -60.2587

Details

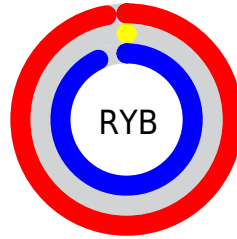
The Yxy color **25.8886, 0.3315, 0.1600** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **66.5372, 0.2995, 0.5982**, and the grayscale version is **12.8220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.7344, 0.3291, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **25.8847, 0.3315, 0.1600**, and if you desaturate by 10%, it is **26.6354, 0.3302, 0.1625**.

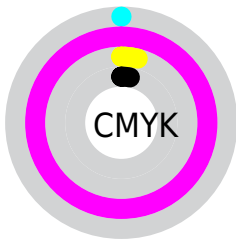
Distribution



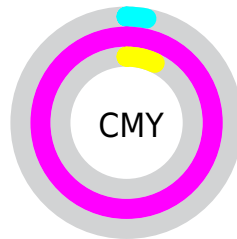
- Red (97%)
- Green (0%)
- Blue (93%)



- Red (97%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8886, 0.3315, 0.1600 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 25.8886, 0.3315, 0.1600 by changing the saturation by 10% instead.


 25.8886, 0.3315,
0.1600


 25.8886, 0.3315,
0.1600


282.2348, 0.3270,
0.2360

 16.7403, 0.3313,
0.1439


 53.0952, 0.3309,
0.1855

 10.0495, 0.3303,
0.1249


 71.9223, 0.3304,
0.1957


 5.4318, 0.3280,
0.1024


 94.7444, 0.3298,
0.2046

 2.5028, 0.3230,
0.0762

 121.9460, 0.3292,
0.2125

 0.8780, 0.3128,
0.0468

 153.9114, 0.3286,
0.2194

 0.0000, 0.2972,
0.0000

191.0251, 0.3280,

 0.0000, 0.2498,

0.2255

0.0000

233.6714, 0.3275,
0.2311

■ 0.0000, 0.0000,
0.0000

■ 25.8886, 0.3315,
0.1600

■ 25.8886, 0.3315,
0.1600

■ 25.8847, 0.3315,
0.1600

■ 26.6354, 0.3302,
0.1625

■ 28.2511, 0.3287,
0.1687

■ 31.0015, 0.3269,
0.1792

■ 35.0475, 0.3249,
0.1940

■ 40.5243, 0.3228,
0.2126

■ 47.5501, 0.3207,
0.2339

■ 56.2307, 0.3185,
0.2572

■ 66.6629, 0.3165,
0.2813

■ 78.9356, 0.3145,
0.3056

Harmonies

Analogous

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



25.8886, 0.1842, 0.1207



25.8886, 0.3315, 0.1600



25.8886, 0.5238, 0.2277

Triad

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



25.8886, 0.3315, 0.1600



25.8886, 0.4876, 0.5124



25.8886, 0.0734, 0.2223

Complementary

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



25.8886, 0.3315, 0.1600



66.5372, 0.2995, 0.5982

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.



25.8886, 0.1146, 0.4245



25.8886, 0.3315, 0.1600



25.8886, 0.3480, 0.6428

Square

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



25.8886, 0.3315, 0.1600



25.8886, 0.6011, 0.3932



25.8886, 0.2157, 0.6522



25.8886, 0.0741, 0.1372

Rectangle

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



25.8886, 0.3315, 0.1600



25.8886, 0.6131, 0.2791



25.8886, 0.2157, 0.6522



25.8886, 0.0812, 0.2743

Sweetspot

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



25.8898, 0.3315, 0.1600



60.3220, 0.3186, 0.2569



6.7737, 0.1507, 0.0604



12.0220, 0.3195, 0.2469



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.



25.8898, 0.3315, 0.1600



27.8320, 0.3315, 0.1600



21.0229, 0.5139, 0.2605



16.7560, 0.3144, 0.3066



13.6966, 0.3313, 0.1599



1.2073, 0.3299, 0.1591

Inverse Universe

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



25.8898, 0.3315, 0.1600



27.8320, 0.3315, 0.1600



68.1760, 0.2700, 0.4921



16.7560, 0.3144, 0.3066



13.6966, 0.3313, 0.1599



1.2073, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 25.8886, 0.3315, 0.1600 looks on a white background.

Color Contrast Check

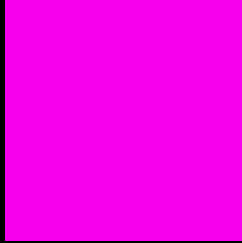
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8886, 0.3315, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

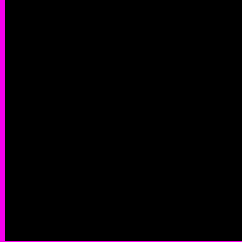
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8886, 0.3315, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 25.8886, 0.3315, 0.1600.



This preview shows how white text looks on a background with the Yxy color 25.8886, 0.3315, 0.1600.

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

25.8886, 0.3315, 0.1600

Protanopia

26.7736, 0.1947, 0.1725

Deuteranopia

26.4636, 0.2146, 0.2080



Tritanopia

26.0532, 0.4937, 0.3234

Trichromacy



Original Color

25.8886, 0.3315, 0.1600



Protanomaly

19.1691, 0.2207, 0.1358



Deuteranomaly

19.2302, 0.2414, 0.1540



Tritanomaly

23.4750, 0.4380, 0.2434

Monochromacy



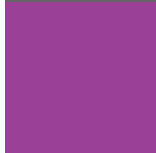
Original Color

25.8886, 0.3315, 0.1600



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.7388, 0.3248, 0.2002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8886, 0.3315, 0.1600 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(247, 0, 237)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 237)  
}
```

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(247, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.8886, 0.3315, 0.1600 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(247, 0, 237) }
```

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

```
.border{ border-color:rgb(247, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8886, 0.3315, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 237) }
```

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

```
.background{ background-color: rgb(247, 0,  
237) }
```

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