

Converting Colors

$Y_{xy}(27.5675, 0.3403, 0.1658)$

Have a look what the booklet for
Yxy(27.5675, 0.3403, 0.1658)
contains.

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Color

Yxy(27.5915, 0.3398, 0.1655)

Conversions

Conversions Part 1

Format	Color
Hex	FF0AED
RGB	255, 10, 237
RGB Percent	100%, 4%, 93%
CMY	0.0000, 0.9625, 0.0705
CMYK	0.00, 0.96, 0.07, 0.00
HSL	304°, 100%, 52%
HSV	304°, 96%, 100%
XYZ	56.6501, 27.5915, 82.4744
YIQ	109.1330, 73.1530, 122.5370

Conversions

Conversions Part 2

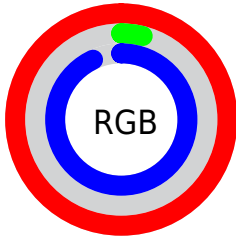
Format	Color
R _Y B	255, 10, 237
Decimal	16714477
CIE Lab	59.52, 95.27, -52.11
CIE LCh	60, 108.593, 331.324
Yxy	27.5915, 0.3398, 0.1655
Android (android.graphics.Color)	4294904557 (0xFFFF0AED)
YUV	109.1330, 63.0384, 127.9254
Hunter-Lab	52.5276, 100.5858, -56.3228

Details

The Yxy color **27.5915, 0.3398, 0.1655** 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 **71.6635, 0.2988, 0.5935**, and the grayscale version is **15.0608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **14.6327, 0.3386, 0.1639** is the 20% darker color. If you saturate the color by 10%, you get **27.3346, 0.3406, 0.1650**, and if you desaturate by 10%, it is **28.6916, 0.3373, 0.1686**.

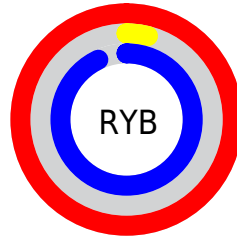
Distribution



Red (100%)

Green (4%)

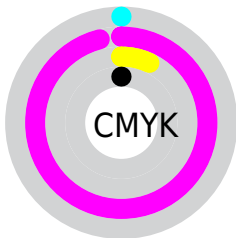
Blue (93%)



Red (100%)

Yellow (4%)

Blue (93%)

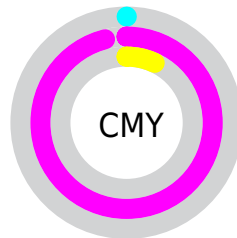


Cyan (0%)

Magenta (96%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5915, 0.3398, 0.1655 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 27.5915, 0.3398, 0.1655 by changing the saturation by 10% instead.


 27.5915, 0.3398,
0.1655


 27.5915, 0.3398,
0.1655


290.5098, 0.3308,
0.2389


 18.0180, 0.3408,
0.1499


 55.8316, 0.3375,
0.1902

 10.9629, 0.3414,
0.1314


 75.2669, 0.3364,
0.2000


 6.0419, 0.3412,
0.1095


 98.7583, 0.3353,
0.2086

 2.8706, 0.3392,
0.0836

 126.6901, 0.3342,
0.2162

 1.0645, 0.3334,
0.0540

 159.4468, 0.3333,
0.2228

 0.0000, 0.3269,
0.0000

197.4127, 0.3324,

 0.0000, 0.2872,

0.2288

0.0000

240.9722, 0.3315,
0.2341

■ 0.0000, 0.1254,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.5915, 0.3398,
0.1655

■ 27.5915, 0.3398,
0.1655

■ 27.3346, 0.3406,
0.1650

■ 28.6916, 0.3373,
0.1686

■ 30.8882, 0.3346,
0.1760

■ 34.3754, 0.3317,
0.1878

■ 39.3157, 0.3286,
0.2038

45.8478, 0.3254,
0.2231

54.0942, 0.3223,
0.2448

64.1655, 0.3194,
0.2679

76.1629, 0.3166,
0.2915

90.1803, 0.3141,
0.3148

Harmonies

Analogous

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



27.5915, 0.1919, 0.1249



27.5915, 0.3398, 0.1655



27.5915, 0.5265, 0.2336

Triad

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



27.5915, 0.3398, 0.1655



27.5915, 0.4815, 0.5185



27.5915, 0.0763, 0.2195

Complementary

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



27.5915, 0.3398, 0.1655



71.6635, 0.2988, 0.5935

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.



27.5915, 0.1156, 0.4108



27.5915, 0.3398, 0.1655



27.5915, 0.3437, 0.6403

Square

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



27.5915, 0.3398, 0.1655



27.5915, 0.5930, 0.3996



27.5915, 0.2140, 0.6364



27.5915, 0.0780, 0.1385

Rectangle

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



27.5915, 0.3398, 0.1655



27.5915, 0.6101, 0.2850



27.5915, 0.2140, 0.6364



27.5915, 0.0836, 0.2687

Sweetspot

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



27.5833, 0.3397, 0.1655



61.2040, 0.3202, 0.2614



7.6465, 0.1531, 0.0630



12.1790, 0.3214, 0.2515



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.



27.5833, 0.3397, 0.1655



27.3346, 0.3406, 0.1650



22.7270, 0.5188, 0.2650



18.2760, 0.3149, 0.3073



14.2926, 0.3403, 0.1648



1.3982, 0.3378, 0.1635

Inverse Universe

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



27.5833, 0.3397, 0.1655



27.3346, 0.3406, 0.1650



73.7405, 0.2657, 0.4746



18.2760, 0.3149, 0.3073



14.2926, 0.3403, 0.1648



1.3982, 0.3378, 0.1635

Previews

White Background



This preview shows how the Yxy color 27.5915, 0.3398, 0.1655 looks on a white background.

Color Contrast Check

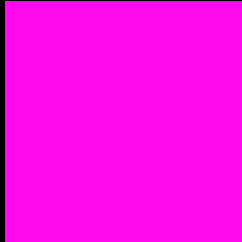
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5915, 0.3398, 0.1655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

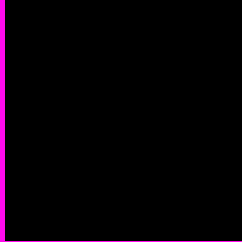
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5915, 0.3398, 0.1655

Background



This preview shows how black text looks on a background with the Yxy color 27.5915, 0.3398, 0.1655.



This preview shows how white text looks on a background with the Yxy color 27.5915, 0.3398, 0.1655.

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

27.5915, 0.3398, 0.1655

Protanopia

28.3445, 0.1995, 0.1790

Deuteranopia

28.1578, 0.2209, 0.2153



Tritanopia

27.4303, 0.5009, 0.3237

Trichromacy



Original Color

27.5915, 0.3398, 0.1655



Protanomaly

20.9956, 0.2288, 0.1444



Deuteranomaly

21.0550, 0.2496, 0.1632



Tritanomaly

25.3178, 0.4456, 0.2495

Monochromacy



Original Color

27.5915, 0.3398, 0.1655



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.8468, 0.3269, 0.2085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5915, 0.3398, 0.1655 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, 10, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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(255, 10, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 237) }
```

Border

The CSS property to change the border of an element to Yxy 27.5915, 0.3398, 0.1655 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, 10, 237) }
```

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

```
.border{ border-color:rgb(255, 10, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 10, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 10, 237); box-shadow:4px 4px 4px 4px rgb(255, 10, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5915, 0.3398, 0.1655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 237) }
```

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

```
.background{ background-color: rgb(255, 10,  
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](#).

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