

Converting Colors

Yxy(27.4865, 0.3439, 0.1684)

Have a look what the booklet for
Yxy(27.4865, 0.3439, 0.1684)
contains.

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Color

Yxy(27.4848, 0.3442, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	FF0FE9
RGB	255, 15, 233
RGB Percent	100%, 6%, 91%
CMY	0.0001, 0.9403, 0.0864
CMYK	0.00, 0.94, 0.09, 0.00
HSL	306°, 100%, 53%
HSV	306°, 94%, 100%
XYZ	56.1107, 27.4848, 79.4223
YIQ	111.6120, 73.0620, 118.6780

Conversions

Conversions Part 2

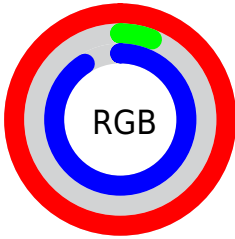
Format	Color
R _Y B	255, 15, 233
Decimal	16715753
CIE Lab	59.42, 94.35, -50.00
CIE LCh	59, 106.784, 332.080
Yxy	27.4848, 0.3442, 0.1686
Android (android.graphics.Color)	4294905833 (0xFFFF0FE9)
YUV	111.6120, 59.8443, 125.7513
Hunter-Lab	52.4259, 99.3005, -53.1227

Details

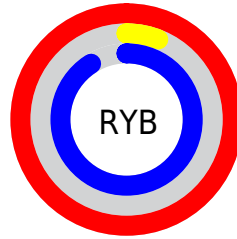
The Yxy color **27.4848, 0.3442, 0.1686** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **71.7461, 0.2981, 0.5893**, and the grayscale version is **15.9267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **14.5118, 0.3430, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **27.0588, 0.3460, 0.1679**, and if you desaturate by 10%, it is **28.8392, 0.3411, 0.1724**.

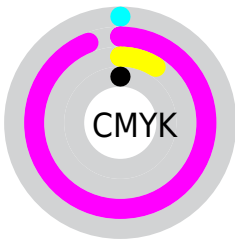
Distribution



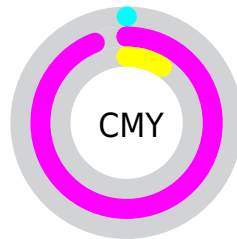
- Red (100%)
- Green (6%)
- Blue (91%)



- Red (100%)
- Yellow (6%)
- Blue (91%)



- Cyan (0%)
- Magenta (94%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4848, 0.3442, 0.1686 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 27.4848, 0.3442, 0.1686 by changing the saturation by 10% instead.


 27.4848, 0.3442,
0.1686


 27.4848, 0.3442,
0.1686


289.9968, 0.3327,
0.2411


 17.9377, 0.3459,
0.1531


 55.6608, 0.3410,
0.1931

 10.9052, 0.3473,
0.1346


 75.0585, 0.3395,
0.2028


 6.0031, 0.3482,
0.1126


 98.5085, 0.3381,
0.2113

 2.8470, 0.3478,
0.0864

 126.3952, 0.3368,
0.2187

 1.0524, 0.3440,
0.0561

 159.1030, 0.3357,
0.2253

 0.0000, 0.3409,
0.0000

197.0163, 0.3346,

 0.0000, 0.3036,

0.2311

0.0000

240.5194, 0.3336,
0.2364

■ 0.0000, 0.1195,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.4848, 0.3442,
0.1686

■ 27.4848, 0.3442,
0.1686

■ 27.0588, 0.3460,
0.1679

■ 28.8392, 0.3411,
0.1724

■ 31.3308, 0.3376,
0.1806

■ 35.1520, 0.3340,
0.1932

■ 40.4590, 0.3302,
0.2098

47.3866, 0.3265,
0.2294

56.0542, 0.3229,
0.2512

66.5702, 0.3196,
0.2741

79.0340, 0.3165,
0.2973

93.5380, 0.3137,
0.3201

Harmonies

Analogous

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



27.4848, 0.1962, 0.1274



27.4848, 0.3442, 0.1686



27.4848, 0.5276, 0.2369

Triad

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



27.4848, 0.3442, 0.1686



27.4848, 0.4783, 0.5217



27.4848, 0.0780, 0.2182

Complementary

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



27.4848, 0.3442, 0.1686



71.7461, 0.2981, 0.5893

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.



27.4848, 0.1163, 0.4037



27.4848, 0.3442, 0.1686



27.4848, 0.3417, 0.6389

Square

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



27.4848, 0.3442, 0.1686



27.4848, 0.5886, 0.4031



27.4848, 0.2132, 0.6275



27.4848, 0.0803, 0.1395

Rectangle

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



27.4848, 0.3442, 0.1686



27.4848, 0.6080, 0.2883



27.4848, 0.2132, 0.6275



27.4848, 0.0851, 0.2659

Sweetspot

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



27.4862, 0.3442, 0.1686



62.1802, 0.3209, 0.2649



7.9274, 0.1551, 0.0650



12.3576, 0.3223, 0.2551



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.



27.4862, 0.3442, 0.1686



27.0635, 0.3460, 0.1679



22.8447, 0.5195, 0.2667



18.2699, 0.3152, 0.3077



14.1531, 0.3455, 0.1677



1.3861, 0.3424, 0.1660

Inverse Universe

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



27.4862, 0.3442, 0.1686



27.0635, 0.3460, 0.1679



73.9803, 0.2634, 0.4654



18.2699, 0.3152, 0.3077



14.1531, 0.3455, 0.1677



1.3861, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 27.4848, 0.3442, 0.1686 looks on a white background.

Color Contrast Check

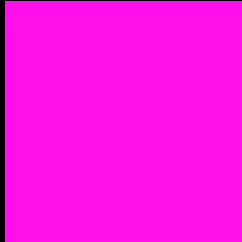
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4848, 0.3442, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

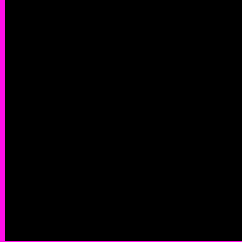
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4848, 0.3442, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 27.4848, 0.3442, 0.1686.



This preview shows how white text looks on a background with the Yxy color 27.4848, 0.3442, 0.1686.

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

27.4848, 0.3442, 0.1686

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.8852, 0.2250, 0.2188



Tritanopia

27.4134, 0.5038, 0.3238

Trichromacy



Original Color

27.4848, 0.3442, 0.1686



Protanomaly

21.1957, 0.2288, 0.1465



Deuteranomaly

21.5083, 0.2555, 0.1695



Tritanomaly

25.5475, 0.4494, 0.2526

Monochromacy



Original Color

27.4848, 0.3442, 0.1686



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.6006, 0.3293, 0.2144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4848, 0.3442, 0.1686 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, 15, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 233)  
}
```

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, 15, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 233) }
```

Border

The CSS property to change the border of an element to Yxy 27.4848, 0.3442, 0.1686 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, 15, 233) }
```

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

```
.border{ border-color:rgb(255, 15, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4848, 0.3442, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 233) }
```

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

```
.background{ background-color: rgb(255, 15,  
233) }
```

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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