

Converting Colors

$Y_{xy}(27.4179, 0.3463, 0.1699)$

Have a look what the booklet for
Yxy(27.4179, 0.3463, 0.1699)
contains.

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Color

Yxy(27.4001, 0.3465, 0.1700)

Conversions

Conversions Part 1

Format	Color
Hex	FF10E7
RGB	255, 16, 231
RGB Percent	100%, 6%, 91%
CMY	0.0000, 0.9371, 0.0942
CMYK	0.00, 0.94, 0.09, 0.00
HSL	306°, 100%, 53%
HSV	306°, 94%, 100%
XYZ	55.8479, 27.4001, 77.9291
YIQ	111.9710, 73.4290, 117.5330

Conversions

Conversions Part 2

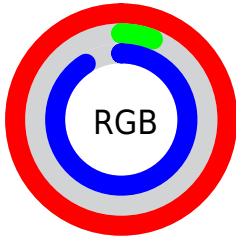
Format	Color
R _Y B	255, 16, 231
Decimal	16716007
CIE Lab	59.34, 94.03, -49.00
CIE LCh	59, 106.033, 332.477
Yxy	27.4001, 0.3465, 0.1700
Android (android.graphics.Color)	4294906087 (0xFFFF10E7)
YUV	111.9710, 58.6813, 125.4364
Hunter-Lab	52.3451, 98.8406, -51.6268

Details

The Yxy color **27.4001, 0.3465, 0.1700** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **71.7843, 0.2978, 0.5879**, and the grayscale version is **16.0112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **14.4326, 0.3459, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **26.9375, 0.3485, 0.1694**, and if you desaturate by 10%, it is **28.7983, 0.3430, 0.1738**.

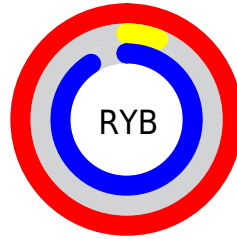
Distribution



Red (100%)

Green (6%)

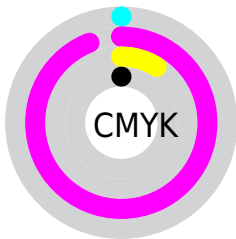
Blue (91%)



Red (100%)

Yellow (6%)

Blue (91%)

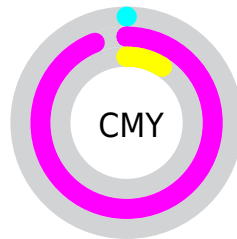


Cyan (0%)

Magenta (94%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (94%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4001, 0.3465, 0.1700 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 27.4001, 0.3465, 0.1700 by changing the saturation by 10% instead.


 27.4001, 0.3465,
0.1700


 27.4001, 0.3465,
0.1700


289.5891, 0.3337,
0.2421


 17.8739, 0.3485,
0.1545


 55.5252, 0.3428,
0.1944


 10.8595, 0.3504,
0.1360


 74.8930, 0.3411,
0.2040


 5.9724, 0.3519,
0.1140


 98.3101, 0.3396,
0.2125

 2.8283, 0.3522,
0.0876

 126.1609, 0.3382,
0.2199

 1.0428, 0.3496,
0.0571

 158.8298, 0.3369,
0.2264

 0.0000, 0.3483,
0.0000

196.7012, 0.3358,

 0.0000, 0.3124,

0.2322

0.0000

240.1595, 0.3347,
0.2374

■ 0.0000, 0.1153,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.4001, 0.3465,
0.1700

■ 27.4001, 0.3465,
0.1700

■ 26.9375, 0.3485,
0.1694


■ 28.7983, 0.3430,
0.1738


■ 31.3423, 0.3393,
0.1821


■ 35.2221, 0.3353,
0.1947

■ 40.5931, 0.3312,
0.2113

 47.5894, 0.3273,
0.2309

 56.3300, 0.3234,
0.2526

 66.9231, 0.3199,
0.2754

 79.4679, 0.3166,
0.2983

 94.0564, 0.3137,
0.3209

Harmonies

Analogous

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



27.4001, 0.1982, 0.1284



27.4001, 0.3465, 0.1700



27.4001, 0.5285, 0.2384

Triad

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



27.4001, 0.3465, 0.1700



27.4001, 0.4767, 0.5233



27.4001, 0.0786, 0.2173

Complementary

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



27.4001, 0.3465, 0.1700



71.7843, 0.2978, 0.5879

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.



27.4001, 0.1164, 0.4002



27.4001, 0.3465, 0.1700



27.4001, 0.3404, 0.6386

Square

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



27.4001, 0.3465, 0.1700



27.4001, 0.5866, 0.4049



27.4001, 0.2125, 0.6235



27.4001, 0.0813, 0.1397

Rectangle

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



27.4001, 0.3465, 0.1700



27.4001, 0.6075, 0.2898



27.4001, 0.2125, 0.6235



27.4001, 0.0856, 0.2643

Sweetspot

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



27.4002, 0.3465, 0.1700



62.1413, 0.3214, 0.2655



8.0420, 0.1562, 0.0658



12.3481, 0.3229, 0.2557



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.



27.4002, 0.3465, 0.1700



26.9375, 0.3485, 0.1694



22.7936, 0.5252, 0.2700



18.2670, 0.3154, 0.3079



14.0882, 0.3480, 0.1691



1.3804, 0.3445, 0.1672

Inverse Universe

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



27.4002, 0.3465, 0.1700



26.9375, 0.3485, 0.1694



74.1484, 0.2617, 0.4591



18.2670, 0.3154, 0.3079



14.0882, 0.3480, 0.1691



1.3804, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 27.4001, 0.3465, 0.1700 looks on a white background.

Color Contrast Check

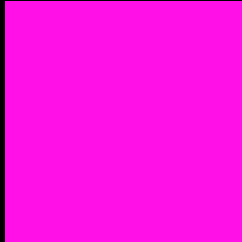
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4001, 0.3465, 0.1700 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 27.4001, 0.3465, 0.1700

Background



This preview shows how black text looks on a background with the Yxy color 27.4001, 0.3465, 0.1700.



This preview shows how white text looks on a background with the Yxy color 27.4001, 0.3465, 0.1700.

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

27.4001, 0.3465, 0.1700

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.8428, 0.2266, 0.2212



Tritanopia

27.3946, 0.5051, 0.3248

Trichromacy



Original Color

27.4001, 0.3465, 0.1700



Protanomaly

21.1341, 0.2294, 0.1472



Deuteranomaly

21.4004, 0.2571, 0.1711



Tritanomaly

25.5163, 0.4510, 0.2536

Monochromacy



Original Color

27.4001, 0.3465, 0.1700



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.5668, 0.3307, 0.2156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4001, 0.3465, 0.1700 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, 16, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 231)  
}
```

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, 16, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 231) }
```

Border

The CSS property to change the border of an element to Yxy 27.4001, 0.3465, 0.1700 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, 16, 231) }
```

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

```
.border{ border-color:rgb(255, 16, 231) }
```

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

Here you see how a box with a 4 pixel rgb(255, 16, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4001, 0.3465, 0.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 231) }
```

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

```
.background{ background-color: rgb(255, 16,  
231) }
```

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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