

Converting Colors

$Y_{xy}(27.1168, 0.3449, 0.1674)$

Have a look what the booklet for
Yxy(27.1168, 0.3449, 0.1674)
contains.

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Color

Yxy(27.0862, 0.3455, 0.1677)

Conversions

Conversions Part 1

Format	Color
Hex	FF00E8
RGB	255, 0, 232
RGB Percent	100%, 0%, 91%
CMY	0.0000, 0.9996, 0.0902
CMYK	0.00, 1.00, 0.09, 0.00
HSL	305°, 100%, 50%
HSV	305°, 100%, 100%
XYZ	55.8037, 27.0862, 78.6259
YIQ	102.6930, 77.5080, 126.2120

Conversions

Conversions Part 2

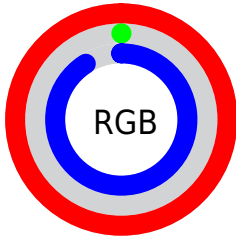
Format	Color
R _Y B	255, 0, 232
Decimal	16711912
CIE Lab	59.05, 95.17, -50.03
CIE LCh	59, 107.516, 332.270
Yxy	27.0862, 0.3455, 0.1677
Android (android.graphics.Color)	4294901992 (0xFFFF00E8)
YUV	102.6930, 63.7484, 133.5732
Hunter-Lab	52.0444, 100.3158, -53.1411

Details

The Yxy color **27.0862, 0.3455, 0.1677** 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 **71.5813, 0.2987, 0.5953**, and the grayscale version is **13.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.4720, 0.3445, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **27.0848, 0.3455, 0.1677**, and if you desaturate by 10%, it is **27.9382, 0.3426, 0.1694**.

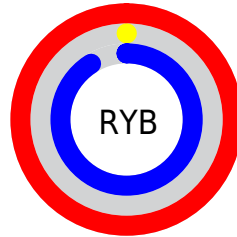
Distribution



Red (100%)

Green (0%)

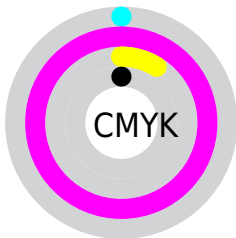
Blue (91%)



Red (100%)

Yellow (0%)

Blue (91%)

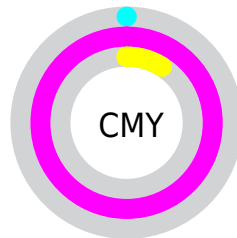


Cyan (0%)

Magenta (100%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0862, 0.3455, 0.1677 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 27.0862, 0.3455, 0.1677 by changing the saturation by 10% instead.

 27.0862, 0.3455,
0.1677


 27.0862, 0.3455,
0.1677


288.0742, 0.3334,
0.2407


 17.6380, 0.3473,
0.1521


 55.0222, 0.3420,
0.1923


 10.6904, 0.3489,
0.1335


 74.2787, 0.3405,
0.2021


 5.8590, 0.3501,
0.1113


 97.5734, 0.3390,
0.2106

 2.7596, 0.3498,
0.0850

 125.2908, 0.3377,
0.2181

 1.0075, 0.3463,
0.0547

 157.8151, 0.3365,
0.2248

 0.0000, 0.3430,
0.0000

195.5309, 0.3353,

 0.0000, 0.3060,

0.2307

0.0000

238.8225, 0.3343,
0.2359

■ 0.0000, 0.1092,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.0862, 0.3455,
0.1677

■ 27.0862, 0.3455,
0.1677

■ 27.0848, 0.3455,
0.1677

■ 27.9382, 0.3426,
0.1694

■ 29.7268, 0.3394,
0.1750

■ 32.7374, 0.3359,
0.1850

■ 37.1446, 0.3322,
0.1993

43.0949, 0.3285,
0.2173

50.7161, 0.3249,
0.2380

60.1228, 0.3215,
0.2603

71.4196, 0.3182,
0.2835

84.7029, 0.3153,
0.3066

Harmonies

Analogous

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



27.0862, 0.1958, 0.1262



27.0862, 0.3455, 0.1677



27.0862, 0.5309, 0.2363

Triad

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



27.0862, 0.3455, 0.1677



27.0862, 0.4774, 0.5226



27.0862, 0.0763, 0.2160

Complementary

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



27.0862, 0.3455, 0.1677



71.5813, 0.2987, 0.5953

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.



27.0862, 0.1141, 0.4027



27.0862, 0.3455, 0.1677



27.0862, 0.3397, 0.6422

Square

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



27.0862, 0.3455, 0.1677



27.0862, 0.5899, 0.4032



27.0862, 0.2108, 0.6307



27.0862, 0.0790, 0.1376

Rectangle

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



27.0862, 0.3455, 0.1677



27.0862, 0.6115, 0.2878



27.0862, 0.2108, 0.6307



27.0862, 0.0832, 0.2638

Sweetspot

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



27.0875, 0.3455, 0.1677



60.0834, 0.3215, 0.2602



7.3852, 0.1520, 0.0611



11.9640, 0.3229, 0.2507



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.



27.0875, 0.3455, 0.1677



27.0855, 0.3455, 0.1677



22.3087, 0.5356, 0.2725



18.2704, 0.3152, 0.3077



14.1644, 0.3451, 0.1675



1.3871, 0.3420, 0.1658

Inverse Universe

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



27.0875, 0.3455, 0.1677



27.0855, 0.3455, 0.1677



73.6823, 0.2652, 0.4746



18.2704, 0.3152, 0.3077



14.1644, 0.3451, 0.1675



1.3871, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 27.0862, 0.3455, 0.1677 looks on a white background.

Color Contrast Check

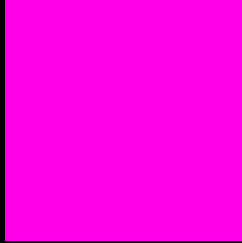
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0862, 0.3455, 0.1677 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 27.0862, 0.3455, 0.1677

Background



This preview shows how black text looks on a background with the Yxy color 27.0862, 0.3455, 0.1677.



This preview shows how white text looks on a background with the Yxy color 27.0862, 0.3455, 0.1677.

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

27.0862, 0.3455, 0.1677

Protanopia

27.9546, 0.1984, 0.1774

Deuteranopia

27.8327, 0.2255, 0.2199



Tritanopia

27.2225, 0.5058, 0.3238

Trichromacy



Original Color

27.0862, 0.3455, 0.1677



Protanomaly

20.0632, 0.2271, 0.1407



Deuteranomaly

20.3870, 0.2557, 0.1641



Tritanomaly

24.8756, 0.4526, 0.2499

Monochromacy



Original Color

27.0862, 0.3455, 0.1677



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.3675, 0.3305, 0.2050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0862, 0.3455, 0.1677 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 232) }
```

Border

The CSS property to change the border of an element to Yxy 27.0862, 0.3455, 0.1677 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, 232) }
```

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

```
.border{ border-color:rgb(255, 0, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0862, 0.3455, 0.1677 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, 232) }
```

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

```
.background{ background-color: rgb(255, 0,  
232) }
```

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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