

Converting Colors

$Y_{xy}(27.6972, 0.3420, 0.1678)$

Have a look what the booklet for
Yxy(27.6972, 0.3420, 0.1678)
contains.

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Color

Yxy(27.6908, 0.3419, 0.1677)

Conversions

Conversions Part 1

Format	Color
Hex	FF12EB
RGB	255, 18, 235
RGB Percent	100%, 7%, 92%
CMY	0.0000, 0.9295, 0.0784
CMYK	0.00, 0.93, 0.08, 0.00
HSL	305°, 100%, 54%
HSV	305°, 93%, 100%
XYZ	56.4549, 27.6908, 80.9754
YIQ	113.6010, 71.5950, 117.7310

Conversions

Conversions Part 2

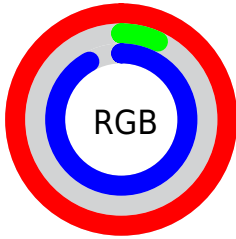
Format	Color
R _Y B	255, 18, 235
Decimal	16716523
CIE Lab	59.61, 94.40, -50.84
CIE LCh	60, 107.221, 331.694
Yxy	27.6908, 0.3419, 0.1677
Android (android.graphics.Color)	4294906603 (0xFFFF12EB)
YUV	113.6010, 59.8497, 124.0069
Hunter-Lab	52.6220, 99.4128, -54.4006

Details

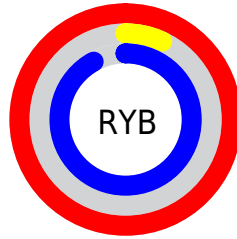
The Yxy color **27.6908, 0.3419, 0.1677** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **71.7881, 0.2982, 0.5888**, and the grayscale version is **16.4996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **14.5518, 0.3415, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **27.1716, 0.3438, 0.1668**, and if you desaturate by 10%, it is **29.1464, 0.3390, 0.1720**.

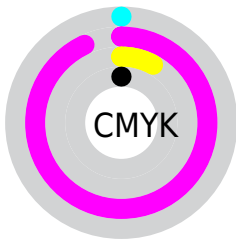
Distribution



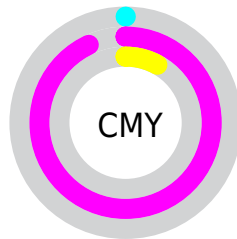
- Red (100%)
- Green (7%)
- Blue (92%)



- Red (100%)
- Yellow (7%)
- Blue (92%)



- Cyan (0%)
- Magenta (93%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6908, 0.3419, 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 27.6908, 0.3419, 0.1677 by changing the saturation by 10% instead.


 27.6908, 0.3419,
0.1677


 27.6908, 0.3419,
0.1677


290.9865, 0.3317,
0.2404


 18.0927, 0.3432,
0.1522


 55.9904, 0.3391,
0.1922


 11.0166, 0.3443,
0.1338


 75.4607, 0.3378,
0.2019


 6.0780, 0.3447,
0.1118


 98.9906, 0.3366,
0.2104

 2.8926, 0.3435,
0.0858

 126.9643, 0.3354,
0.2179

 1.0759, 0.3388,
0.0558

 159.7664, 0.3344,
0.2245

 0.0000, 0.3344,
0.0000

197.7812, 0.3334,

 0.0000, 0.2960,

0.2304

0.0000

241.3931, 0.3325,
0.2357

■ 0.0000, 0.1259,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.6908, 0.3419,
0.1677

■ 27.6908, 0.3419,
0.1677

■ 27.1716, 0.3438,
0.1668

■ 29.1464, 0.3390,
0.1720

■ 31.7636, 0.3358,
0.1808

■ 35.7287, 0.3324,
0.1940

■ 41.1951, 0.3289,
0.2110

48.2955, 0.3254,
0.2310

57.1483, 0.3221,
0.2531

67.8606, 0.3189,
0.2762

80.5311, 0.3160,
0.2996

95.2515, 0.3134,
0.3224

Harmonies

Analogous

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



27.6908, 0.1946, 0.1269



27.6908, 0.3419, 0.1677



27.6908, 0.5258, 0.2358

Triad

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



27.6908, 0.3419, 0.1677



27.6908, 0.4800, 0.5200



27.6908, 0.0779, 0.2196

Complementary

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



27.6908, 0.3419, 0.1677



71.7881, 0.2982, 0.5888

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.



27.6908, 0.1169, 0.4069



27.6908, 0.3419, 0.1677



27.6908, 0.3433, 0.6382

Square

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



27.6908, 0.3419, 0.1677



27.6908, 0.5898, 0.4017



27.6908, 0.2146, 0.6298



27.6908, 0.0799, 0.1398

Rectangle

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



27.6908, 0.3419, 0.1677



27.6908, 0.6075, 0.2871



27.6908, 0.2146, 0.6298



27.6908, 0.0852, 0.2679

Sweetspot

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



27.6906, 0.3419, 0.1677



62.2133, 0.3205, 0.2645



8.0587, 0.1558, 0.0659



12.3658, 0.3219, 0.2545



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.



27.6906, 0.3419, 0.1677



27.1716, 0.3438, 0.1668



22.9699, 0.5165, 0.2657



18.2724, 0.3151, 0.3075



14.2088, 0.3434, 0.1665



1.3909, 0.3405, 0.1649

Inverse Universe

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



27.6906, 0.3419, 0.1677



27.1716, 0.3438, 0.1668



74.0568, 0.2631, 0.4637



18.2724, 0.3151, 0.3075



14.2088, 0.3434, 0.1665



1.3909, 0.3405, 0.1649

Previews

White Background



This preview shows how the Yxy color 27.6908, 0.3419, 0.1677 looks on a white background.

Color Contrast Check

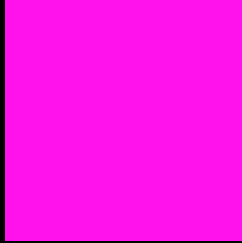
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6908, 0.3419, 0.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

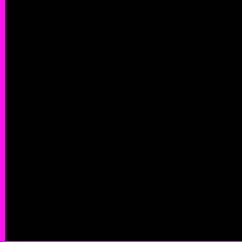
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6908, 0.3419, 0.1677

Background



This preview shows how black text looks on a background with the Yxy color 27.6908, 0.3419, 0.1677.



This preview shows how white text looks on a background with the Yxy color 27.6908, 0.3419, 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

27.6908, 0.3419, 0.1677

Protanopia

28.3445, 0.1995, 0.1790

Deuteranopia

28.2311, 0.2236, 0.2180



Tritanopia

27.6068, 0.5018, 0.3238

Trichromacy



Original Color

27.6908, 0.3419, 0.1677



Protanomaly

21.5326, 0.2292, 0.1472



Deuteranomaly

21.6999, 0.2532, 0.1686



Tritanomaly

25.8087, 0.4473, 0.2529

Monochromacy



Original Color

27.6908, 0.3419, 0.1677



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.0599, 0.3278, 0.2150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6908, 0.3419, 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, 18, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 235)  
}
```

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, 18, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 235) }
```

Border

The CSS property to change the border of an element to Yxy 27.6908, 0.3419, 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, 18, 235) }
```

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

```
.border{ border-color:rgb(255, 18, 235) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6908, 0.3419, 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, 18, 235) }
```

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

```
.background{ background-color: rgb(255, 18,  
235) }
```

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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