

Converting Colors

$Y_{xy}(27.7800, 0.3051, 0.1686)$

Have a look what the booklet for
Yxy(27.7800, 0.3051, 0.1686)
contains.

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Color

Yxy(27.7739, 0.3049, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	E34BF2
RGB	227, 75, 242
RGB Percent	89%, 29%, 95%
CMY	0.1097, 0.7059, 0.0509
CMYK	0.06, 0.69, 0.00, 0.05
HSL	295°, 87%, 62%
HSV	295°, 69%, 95%
XYZ	50.2269, 27.7739, 86.7317
YIQ	139.4860, 36.9850, 84.1610

Conversions

Conversions Part 2

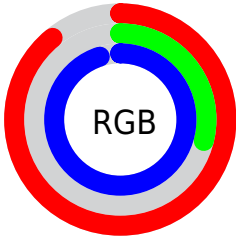
Format	Color
R _Y B	227, 75, 242
Decimal	14896114
CIE Lab	59.68, 78.01, -54.91
CIE LCh	60, 95.399, 324.861
Yxy	27.7739, 0.3049, 0.1686
Android (android.graphics.Color)	4293086194 (0xFFE34BF2)
YUV	139.4860, 50.5394, 76.7498
Hunter-Lab	52.7009, 77.8938, -60.6848

Details

The Yxy color **27.7739, 0.3049, 0.1686** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **66.1955, 0.3080, 0.5475**, and the grayscale version is **25.8047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **11.8276, 0.2979, 0.1415** is the 20% darker color. If you saturate the color by 10%, you get **24.7426, 0.3028, 0.1554**, and if you desaturate by 10%, it is **32.0597, 0.3068, 0.1860**.

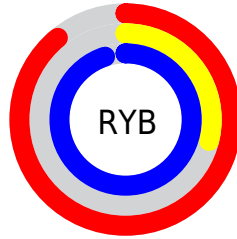
Distribution



Red (89%)

Green (29%)

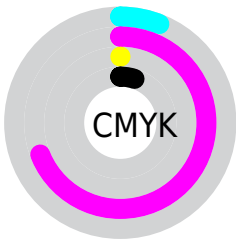
Blue (95%)



Red (89%)

Yellow (29%)

Blue (95%)

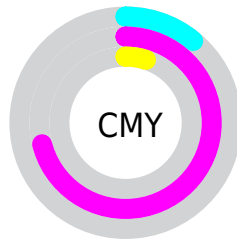


Cyan (6%)

Magenta (69%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (71%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7739, 0.3049, 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 27.7739, 0.3049, 0.1686 by changing the saturation by 10% instead.


 27.7739, 0.3049,
0.1686


 27.7739, 0.3049,
0.1686


291.3849, 0.3132,
0.2414


 18.1553, 0.3017,
0.1530


 56.1233, 0.3088,
0.1932


 11.0615, 0.2972,
0.1344


 75.6228, 0.3100,
0.2030

 6.1082, 0.2904,
0.1122


 99.1848, 0.3109,
0.2115

 2.9110, 0.2797,
0.0860

 127.1936, 0.3116,
0.2190

 1.0855, 0.2624,
0.0557

160.0336, 0.3121,
0.2256

 0.0000, 0.2386,
0.0000

198.0892, 0.3126,

 0.0000, 0.1817,

0.2314

0.0000

241.7449, 0.3129,
0.2367

■ 0.0000, 0.0000,
0.0000

■ 27.7739, 0.3049,
0.1686

■ 27.7739, 0.3049,
0.1686

■ 24.7426, 0.3028,
0.1554

■ 32.0597, 0.3068,
0.1860

■ 22.8119, 0.3006,
0.1467

■ 37.7232, 0.3085,
0.2069


■ 21.7564, 0.2983,
0.1419

■ 44.8768, 0.3099,
0.2305


■ 21.6714, 0.2980,
0.1416

■ 53.6204, 0.3110,
0.2556

■ 64.0451, 0.3118,
0.2813

 76.2353, 0.3124,
0.3068

 90.2696, 0.3127,
0.3314

 97.2375, 0.3136,
0.3417

 97.6295, 0.3150,
0.3417

Harmonies

Analogous

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



27.7739, 0.1830, 0.1359



27.7739, 0.3049, 0.1686



27.7739, 0.4690, 0.2292

Triad

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



27.7739, 0.3049, 0.1686



27.7739, 0.5018, 0.4885



27.7739, 0.0989, 0.2625

Complementary

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



27.7739, 0.3049, 0.1686



66.1955, 0.3080, 0.5475

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.



27.7739, 0.1519, 0.4490



27.7739, 0.3049, 0.1686



27.7739, 0.3811, 0.5943

Square

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



27.7739, 0.3049, 0.1686



27.7739, 0.5860, 0.3866



27.7739, 0.2568, 0.6134



27.7739, 0.0913, 0.1670

Rectangle

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



27.7739, 0.3049, 0.1686



27.7739, 0.5587, 0.2786



27.7739, 0.2568, 0.6134



27.7739, 0.1105, 0.3150

Sweetspot

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



27.7751, 0.3049, 0.1686



69.5626, 0.3117, 0.2761



15.5071, 0.1832, 0.1250



14.1756, 0.3114, 0.2689



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.



27.7751, 0.3049, 0.1686



26.8046, 0.3019, 0.1512



27.0134, 0.3998, 0.2303



15.9550, 0.3124, 0.3056



11.6714, 0.2984, 0.1418



0.9919, 0.3016, 0.1435

Inverse Universe

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



24.6482, 0.5261, 0.3164



23.3651, 0.5873, 0.3191



66.9569, 0.2767, 0.4688



15.7819, 0.3279, 0.3269



10.1799, 0.6300, 0.3244



0.8547, 0.6072, 0.3118

Previews

White Background



This preview shows how the Yxy color 27.7739, 0.3049, 0.1686 looks on a white background.

Color Contrast Check

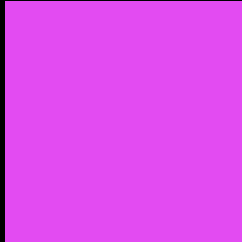
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7739, 0.3049, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

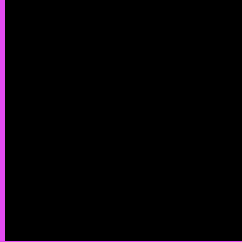
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7739, 0.3049, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 27.7739, 0.3049, 0.1686.



This preview shows how white text looks on a background with the Yxy color 27.7739, 0.3049, 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

27.7739, 0.3049, 0.1686

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

28.0957, 0.2124, 0.2057



Tritanopia

27.4617, 0.4257, 0.3182

Trichromacy



Original Color

27.7739, 0.3049, 0.1686



Protanomaly

24.8819, 0.2240, 0.1632



Deuteranomaly

24.9426, 0.2350, 0.1790



Tritanomaly

26.6192, 0.3787, 0.2517

Monochromacy



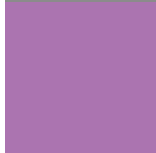
Original Color

27.7739, 0.3049, 0.1686



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2833, 0.3110, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7739, 0.3049, 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(227, 75, 242)` looks like.

```
.text, #text, p{  
    color:rgb(227, 75, 242)  
}
```

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(227, 75, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 75, 242) }
```

Border

The CSS property to change the border of an element to Yxy 27.7739, 0.3049, 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(227, 75, 242) }
```

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

```
.border{ border-color:rgb(227, 75, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 75, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 75, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 75, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 75,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7739, 0.3049, 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(227, 75, 242) }
```

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

```
.background{ background-color: rgb(227, 75,  
242) }
```

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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