

Converting Colors

$Y_{xy}(29.3690, 0.3211, 0.1757)$

Have a look what the booklet for
Yxy(29.3690, 0.3211, 0.1757)
contains.

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Color

Yxy(29.4634, 0.3219, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	F049EE
RGB	240, 73, 238
RGB Percent	94%, 29%, 93%
CMY	0.0590, 0.7134, 0.0667
CMYK	0.00, 0.70, 0.01, 0.06
HSL	301°, 85%, 61%
HSV	301°, 70%, 94%
XYZ	53.7352, 29.4634, 83.7328
YIQ	141.7430, 46.5670, 86.7190

Conversions

Conversions Part 2

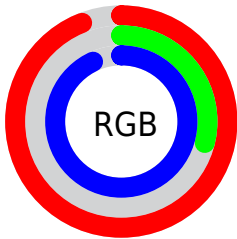
Format	Color
R _{YB}	240, 73, 238
Decimal	15747566
CIE Lab	61.19, 80.73, -50.15
CIE LCh	61, 95.039, 328.150
Yxy	29.4634, 0.3219, 0.1765
Android (android.graphics.Color)	4293937646 (0xFFFF049EE)
YUV	141.7430, 47.4547, 86.1714
Hunter-Lab	54.2802, 81.7175, -53.4648

Details

The Yxy color **29.4634, 0.3219, 0.1765** 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 **64.2181, 0.3016, 0.5508**, and the grayscale version is **26.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **13.0395, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **26.8761, 0.3228, 0.1655**, and if you desaturate by 10%, it is **33.2693, 0.3208, 0.1917**.

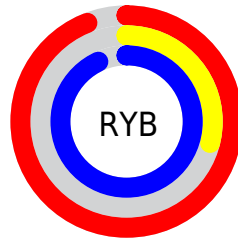
Distribution



Red (94%)

Green (29%)

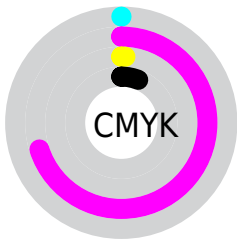
Blue (93%)



Red (94%)

Yellow (29%)

Blue (93%)

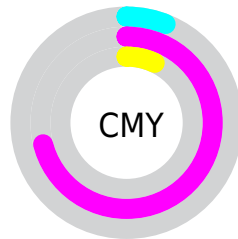


Cyan (0%)

Magenta (70%)

Yellow (1%)

Black (6%)



Cyan (6%)


Magenta (71%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4634, 0.3219, 0.1765 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 29.4634, 0.3219, 0.1765 by changing the saturation by 10% instead.


 29.4634, 0.3219,
0.1765

 29.4634, 0.3219,
0.1765


299.3952, 0.3212,
0.2458


 19.4317, 0.3210,
0.1615


 58.8125, 0.3225,
0.2000


 11.9826, 0.3194,
0.1436

 78.8987, 0.3225,
0.2093

 6.7318, 0.3164,
0.1221


 103.1052, 0.3223,
0.2174

 3.2950, 0.3109,
0.0962

 131.8163, 0.3222,
0.2245

 1.2876, 0.3005,
0.0656

165.4164, 0.3219,
0.2307

 0.1316, 0.2860,
0.0133

204.2900, 0.3217,

 0.0000, 0.2415,


0.2363


0.0000

248.8215, 0.3215,
0.2413

 0.0000, 0.0000,
0.0000

 29.4634, 0.3219,
0.1765

 29.4634, 0.3219,
0.1765


 26.8761, 0.3228,
0.1655


 33.2693, 0.3208,
0.1917


 25.3547, 0.3234,
0.1589


 38.4146, 0.3196,
0.2107

 24.6627, 0.3239,
0.1559

 45.0105, 0.3182,
0.2325


 24.6381, 0.3239,
0.1558


 53.1550, 0.3168,
0.2563

 62.9379, 0.3154,
0.2810

 74.4421, 0.3140,
0.3058

 87.7448, 0.3127,
0.3301

 96.3419, 0.3118,
0.3436

 96.3587, 0.3117,
0.3433

Harmonies

Analogous

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



29.4634, 0.1956, 0.1408



29.4634, 0.3219, 0.1765



29.4634, 0.4825, 0.2389

Triad

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



29.4634, 0.3219, 0.1765



29.4634, 0.4880, 0.4995



29.4634, 0.0995, 0.2500

Complementary

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



29.4634, 0.3219, 0.1765



64.2181, 0.3016, 0.5508

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.



29.4634, 0.1468, 0.4234



29.4634, 0.3219, 0.1765



29.4634, 0.3684, 0.5985

Square

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



29.4634, 0.3219, 0.1765



29.4634, 0.5760, 0.3977



29.4634, 0.2463, 0.5965



29.4634, 0.0955, 0.1640

Rectangle

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



29.4634, 0.3219, 0.1765



29.4634, 0.5637, 0.2886



29.4634, 0.2463, 0.5965



29.4634, 0.1095, 0.2979

Sweetspot

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



29.4648, 0.3219, 0.1765



70.4229, 0.3156, 0.2772



12.4843, 0.1782, 0.1067



14.3836, 0.3160, 0.2703



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.



29.4648, 0.3219, 0.1765



30.0741, 0.3230, 0.1625



25.7104, 0.4249, 0.2463



16.0280, 0.3140, 0.3060



13.4954, 0.3239, 0.1558



1.1237, 0.3235, 0.1555

Inverse Universe

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



29.4648, 0.3219, 0.1765



30.0741, 0.3230, 0.1625



66.1273, 0.2691, 0.4456



16.0280, 0.3140, 0.3060



13.4954, 0.3239, 0.1558



1.1237, 0.3235, 0.1555

Previews

White Background



This preview shows how the Yxy color 29.4634, 0.3219, 0.1765 looks on a white background.

Color Contrast Check

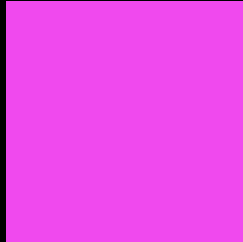
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4634, 0.3219, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

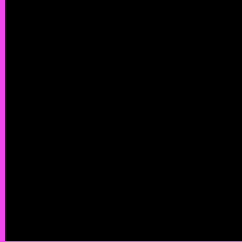
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4634, 0.3219, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 29.4634, 0.3219, 0.1765.

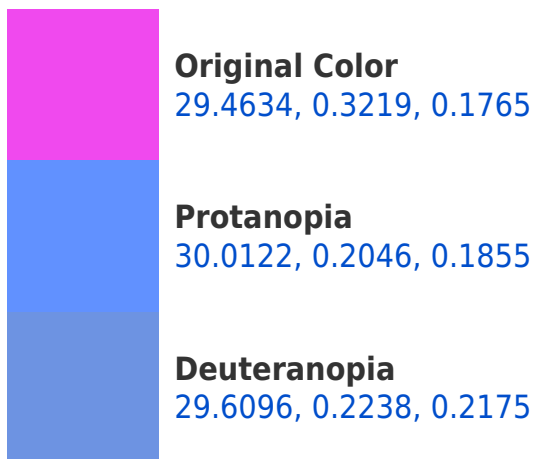


This preview shows how white text looks on a background with the Yxy color 29.4634, 0.3219, 0.1765.

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





Tritanopia

29.2753, 0.4471, 0.3203

Trichromacy



Original Color

29.4634, 0.3219, 0.1765



Protanomaly

26.4228, 0.2323, 0.1701



Deuteranomaly

26.3142, 0.2505, 0.1889



Tritanomaly

28.5355, 0.4001, 0.2580

Monochromacy



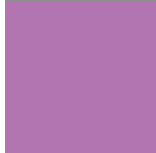
Original Color

29.4634, 0.3219, 0.1765



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.3619, 0.3177, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4634, 0.3219, 0.1765 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(240, 73, 238)` looks like.

```
.text, #text, p{  
    color:rgb(240, 73, 238)  
}
```

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(240, 73, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 73, 238) }
```

Border

The CSS property to change the border of an element to Yxy 29.4634, 0.3219, 0.1765 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(240, 73, 238) }
```

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

```
.border{ border-color:rgb(240, 73, 238) }
```

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

Here you see how a box with a 4 pixel rgb(240, 73, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 73, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 73, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 73,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4634, 0.3219, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 73, 238) }
```

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

```
.background{ background-color: rgb(240, 73,  
238) }
```

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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