

Converting Colors

$Y_{xy}(29.0895, 0.3248, 0.1777)$

Have a look what the booklet for
Yxy(29.0895, 0.3248, 0.1777)
contains.

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Color

Yxy(29.1582, 0.3250, 0.1780)

Conversions

Conversions Part 1

Format	Color
Hex	F048EB
RGB	240, 72, 235
RGB Percent	94%, 28%, 92%
CMY	0.0590, 0.7174, 0.0785
CMYK	0.00, 0.70, 0.02, 0.06
HSL	302°, 85%, 61%
HSV	302°, 70%, 94%
XYZ	53.2383, 29.1582, 81.4136
YIQ	140.8140, 47.8050, 86.3090

Conversions

Conversions Part 2

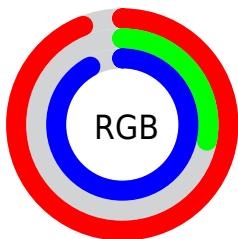
Format	Color
R _Y B	240, 72, 235
Decimal	15747307
CIE Lab	60.92, 80.60, -48.91
CIE LCh	61, 94.279, 328.753
Yxy	29.1582, 0.3250, 0.1780
Android (android.graphics.Color)	4293937387 (0xFFFF048EB)
YUV	140.8140, 46.4337, 86.9861
Hunter-Lab	53.9983, 81.4905, -51.5931

Details

The Yxy color **29.1582, 0.3250, 0.1780** 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 **64.2168, 0.3007, 0.5491**, and the grayscale version is **26.3700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **12.9580, 0.3223, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **26.5952, 0.3264, 0.1673**, and if you desaturate by 10%, it is **32.9343, 0.3234, 0.1929**.

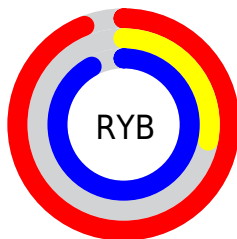
Distribution



Red (94%)

Green (28%)

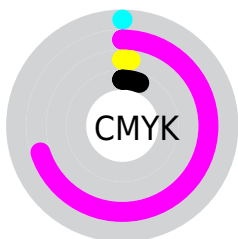
Blue (92%)



Red (94%)

Yellow (28%)

Blue (92%)

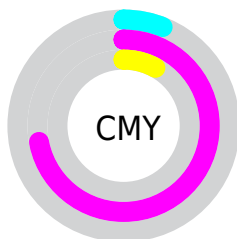


Cyan (0%)

Magenta (70%)

Yellow (2%)

Black (6%)



Cyan (6%)


Magenta (72%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1582, 0.3250, 0.1780 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 29.1582, 0.3250, 0.1780 by changing the saturation by 10% instead.


 29.1582, 0.3250,
0.1780


 29.1582, 0.3250,
0.1780


297.9607, 0.3227,
0.2469

 19.2005, 0.3245,
0.1630


 58.3283, 0.3250,
0.2014


 11.8153, 0.3234,
0.1451

 78.3096, 0.3247,
0.2107

 6.6180, 0.3211,
0.1235


 102.4008, 0.3244,
0.2187

 3.2244, 0.3164,
0.0974

 130.9865, 0.3241,
0.2258

 1.2500, 0.3072,
0.0664

164.4509, 0.3237,
0.2320

 0.1020, 0.2949,
0.0109

203.1784, 0.3234,


 0.0000, 0.2505,


0.2375


0.0000

247.5536, 0.3230,
0.2424


 0.0000, 0.0000,
0.0000

 29.1582, 0.3250,
0.1780


 29.1582, 0.3250,
0.1780


 26.5952, 0.3264,
0.1673

 32.9343, 0.3234,
0.1929


 25.0913, 0.3276,
0.1610


 38.0452, 0.3216,
0.2115


 24.3961, 0.3286,
0.1584


 44.6026, 0.3198,
0.2330


 24.3945, 0.3286,
0.1584


 52.7050, 0.3179,
0.2564

 62.4426, 0.3161,
0.2808

 73.8985, 0.3143,
0.3052

 87.1501, 0.3127,
0.3291

 96.3711, 0.3116,
0.3432

 96.4136, 0.3112,
0.3424

Harmonies

Analogous

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



29.1582, 0.1980, 0.1418



29.1582, 0.3250, 0.1780



29.1582, 0.4847, 0.2408

Triad

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



29.1582, 0.3250, 0.1780



29.1582, 0.4856, 0.5015



29.1582, 0.0997, 0.2479

Complementary

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



29.1582, 0.3250, 0.1780



64.2168, 0.3007, 0.5491

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.



29.1582, 0.1459, 0.4188



29.1582, 0.3250, 0.1780



29.1582, 0.3662, 0.5989

Square

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



29.1582, 0.3250, 0.1780



29.1582, 0.5740, 0.3997



29.1582, 0.2444, 0.5931



29.1582, 0.0963, 0.1636

Rectangle

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



29.1582, 0.3250, 0.1780



29.1582, 0.5644, 0.2904



29.1582, 0.2444, 0.5931



29.1582, 0.1094, 0.2950

Sweetspot

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



29.1596, 0.3250, 0.1780



70.3617, 0.3163, 0.2781



12.4218, 0.1788, 0.1061



14.3687, 0.3168, 0.2713



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.



29.1596, 0.3250, 0.1780



29.6501, 0.3270, 0.1641



25.4688, 0.4302, 0.2489



16.0229, 0.3143, 0.3064



13.3619, 0.3284, 0.1583



1.1141, 0.3274, 0.1577

Inverse Universe

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



29.1596, 0.3250, 0.1780



29.6501, 0.3270, 0.1641



66.1771, 0.2678, 0.4423



16.0229, 0.3143, 0.3064



13.3619, 0.3284, 0.1583



1.1141, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 29.1582, 0.3250, 0.1780 looks on a white background.

Color Contrast Check

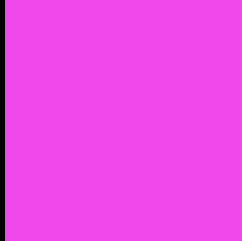
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1582, 0.3250, 0.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

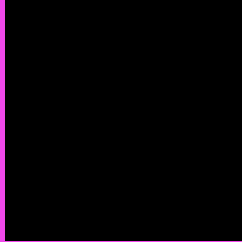
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1582, 0.3250, 0.1780

Background



This preview shows how black text looks on a background with the Yxy color 29.1582, 0.3250, 0.1780.

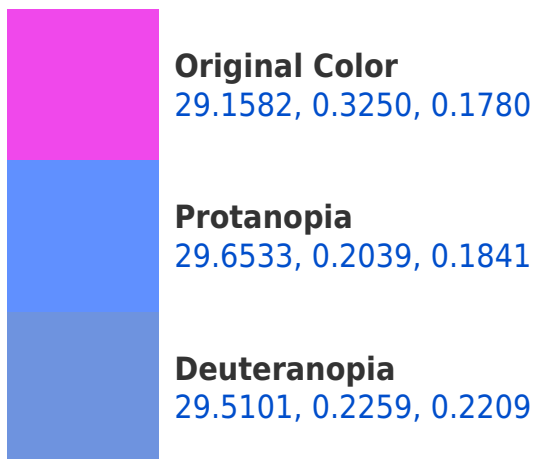


This preview shows how white text looks on a background with the Yxy color 29.1582, 0.3250, 0.1780.

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

29.0078, 0.4503, 0.3215

Trichromacy



Original Color

29.1582, 0.3250, 0.1780



Protanomaly

26.0301, 0.2320, 0.1694



Deuteranomaly

26.1471, 0.2526, 0.1915



Tritanomaly

28.2784, 0.4031, 0.2591

Monochromacy



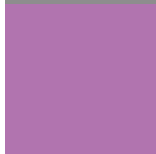
Original Color

29.1582, 0.3250, 0.1780



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

24.9330, 0.3188, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1582, 0.3250, 0.1780 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, 72, 235)` looks like.

```
.text, #text, p{  
    color:rgb(240, 72, 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(240, 72, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 72, 235) }
```

Border

The CSS property to change the border of an element to Yxy 29.1582, 0.3250, 0.1780 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, 72, 235) }
```

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

```
.border{ border-color:rgb(240, 72, 235) }
```

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

Here you see how a box with a 4 pixel rgb(240, 72, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 72, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 72, 235);  
box-shadow:4px 4px 4px 4px rgb(240, 72,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1582, 0.3250, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 72, 235) }
```

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

```
.background{ background-color: rgb(240, 72,  
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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