

Converting Colors

Yxy(30.4962, 0.3260, 0.1758)

Have a look what the booklet for
Yxy(30.4962, 0.3260, 0.1758)
contains.

Yxy(30.3813, 0.3261, 0.1758)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3813, 0.3261, 0.1758)

Conversions

Conversions Part 1

Format	Color
Hex	F745F1
RGB	247, 69, 241
RGB Percent	97%, 27%, 95%
CMY	0.0314, 0.7292, 0.0551
CMYK	0.00, 0.72, 0.02, 0.03
HSL	302°, 92%, 62%
HSV	302°, 72%, 97%
XYZ	56.3558, 30.3813, 86.0803
YIQ	141.8300, 50.8760, 91.2280

Conversions

Conversions Part 2

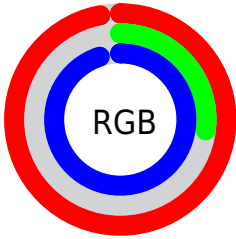
Format	Color
R _Y B	247, 69, 241
Decimal	16205297
CIE Lab	61.98, 83.92, -50.48
CIE LCh	62, 97.936, 328.973
Yxy	30.3813, 0.3261, 0.1758
Android (android.graphics.Color)	4294395377 (0xFFFF745F1)
YUV	141.8300, 48.8908, 92.2341
Hunter-Lab	55.1192, 86.0457, -54.0104

Details

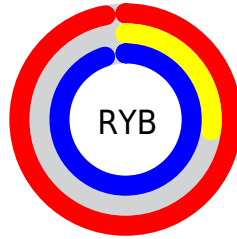
The Yxy color **30.3813, 0.3261, 0.1758** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **68.2928, 0.3003, 0.5544**, and the grayscale version is **26.7753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3182, 0.2128**, and **13.8998, 0.3236, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **27.8983, 0.3276, 0.1661**, and if you desaturate by 10%, it is **34.1310, 0.3244, 0.1898**.

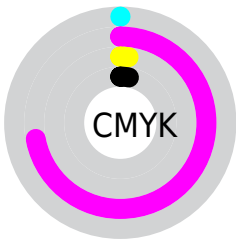
Distribution



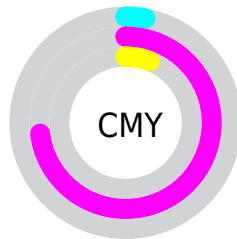
- Red (97%)
- Green (27%)
- Blue (95%)



- Red (97%)
- Yellow (27%)
- Blue (95%)



- Cyan (0%)
- Magenta (72%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (73%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3813, 0.3261, 0.1758 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 30.3813, 0.3261, 0.1758 by changing the saturation by 10% instead.


 30.3813, 0.3261,
0.1758


 30.3813, 0.3261,
0.1758


303.6778, 0.3234,
0.2449

 20.1282, 0.3257,
0.1610


 60.2647, 0.3259,
0.1991


 12.4883, 0.3247,
0.1433


 80.6637, 0.3257,
0.2084

 7.0771, 0.3226,
0.1222

 105.2135, 0.3253,
0.2164

 3.5104, 0.3183,
0.0967

 134.2985, 0.3249,
0.2235

 1.4036, 0.3097,
0.0668

168.3030, 0.3245,
0.2298

 0.2194, 0.2967,
0.0203

207.6114, 0.3241,

 0.0000, 0.2588,

0.2354

0.0000

252.6082, 0.3238,
0.2404

■ 0.0000, 0.0976,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.3813, 0.3261,
0.1758

■ 30.3813, 0.3261,
0.1758

■ 27.8983, 0.3276,
0.1661

■ 34.1310, 0.3244,
0.1898


■ 26.5094, 0.3289,
0.1608

■ 39.2828, 0.3225,
0.2077

■ 25.9822, 0.3297,
0.1590


■ 45.9595, 0.3206,
0.2286

■ 54.2694, 0.3186,
0.2516

 64.3107, 0.3166,
0.2758

 76.1742, 0.3148,
0.3002

 89.9442, 0.3131,
0.3242

 98.0489, 0.3120,
0.3361

 98.1009, 0.3115,
0.3353

Harmonies

Analogous

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



30.3813, 0.1964, 0.1391



30.3813, 0.3261, 0.1758



30.3813, 0.4898, 0.2393

Triad

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



30.3813, 0.3261, 0.1758



30.3813, 0.4861, 0.5035



30.3813, 0.0962, 0.2446

Complementary

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



30.3813, 0.3261, 0.1758



68.2928, 0.3003, 0.5544

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.



30.3813, 0.1418, 0.4193



30.3813, 0.3261, 0.1758



30.3813, 0.3640, 0.6045

Square

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



30.3813, 0.3261, 0.1758



30.3813, 0.5776, 0.3994



30.3813, 0.2409, 0.6000



30.3813, 0.0934, 0.1600

Rectangle

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



30.3813, 0.3261, 0.1758



30.3813, 0.5707, 0.2893



30.3813, 0.2409, 0.6000



30.3813, 0.1056, 0.2923

Sweetspot

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



30.3827, 0.3261, 0.1758



69.1589, 0.3166, 0.2758



12.4713, 0.1766, 0.1010



14.1344, 0.3172, 0.2692



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.



30.3827, 0.3261, 0.1758



29.2540, 0.3282, 0.1634



26.3041, 0.4402, 0.2509



16.7580, 0.3143, 0.3065



13.7466, 0.3296, 0.1589



1.2112, 0.3284, 0.1583

Inverse Universe

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



30.3827, 0.3261, 0.1758



29.2540, 0.3282, 0.1634



70.4622, 0.2662, 0.4422



16.7580, 0.3143, 0.3065



13.7466, 0.3296, 0.1589



1.2112, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 30.3813, 0.3261, 0.1758 looks on a white background.

Color Contrast Check

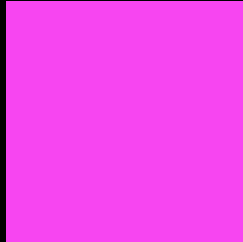
Large Text (above 18pt) WCAG AA × Fail

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 30.3813, 0.3261, 0.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

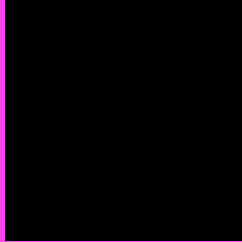
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3813, 0.3261, 0.1758

Background



This preview shows how black text looks on a background with the Yxy color 30.3813, 0.3261, 0.1758.



This preview shows how white text looks on a background with the Yxy color 30.3813, 0.3261, 0.1758.

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

30.3813, 0.3261, 0.1758

Protanopia

30.8541, 0.2071, 0.1887

Deuteranopia

30.5315, 0.2241, 0.2176



Tritanopia

30.1932, 0.4561, 0.3207

Trichromacy



Original Color

30.3813, 0.3261, 0.1758



Protanomaly

26.9658, 0.2356, 0.1709



Deuteranomaly

26.7897, 0.2511, 0.1872



Tritanomaly

29.3608, 0.4083, 0.2584

Monochromacy



Original Color

30.3813, 0.3261, 0.1758



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.1791, 0.3190, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3813, 0.3261, 0.1758 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(247, 69, 241)` looks like.

```
.text, #text, p{  
    color:rgb(247, 69, 241)  
}
```

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(247, 69, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 69, 241) }
```

Border

The CSS property to change the border of an element to Yxy 30.3813, 0.3261, 0.1758 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(247, 69, 241) }
```

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

```
.border{ border-color:rgb(247, 69, 241) }
```

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

Here you see how a box with a 4 pixel rgb(247, 69, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 69, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 69, 241);  
box-shadow:4px 4px 4px 4px rgb(247, 69,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3813, 0.3261, 0.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 69, 241) }
```

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

```
.background{ background-color: rgb(247, 69,  
241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor