

Converting Colors

Yxy(57.5196, 0.4354, 0.2486)

Have a look what the booklet for
Yxy(57.5196, 0.4354, 0.2486)
contains.

Yxy(35.8772, 0.3552, 0.2168)	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(35.8772, 0.3552, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	FF66DB
RGB	255, 102, 219
RGB Percent	100%, 40%, 86%
CMY	0.0000, 0.6000, 0.1413
CMYK	0.00, 0.60, 0.14, 0.00
HSL	314°, 100%, 70%
HSV	314°, 60%, 100%
XYZ	58.7804, 35.8772, 70.8277
YIQ	161.0850, 53.6310, 68.8230

Conversions

Conversions Part 2

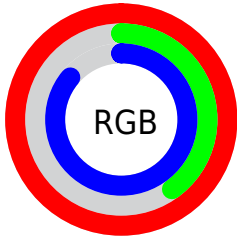
Format	Color
R _Y B	255, 102, 219
Decimal	16738011
CIE Lab	66.43, 70.71, -31.18
CIE LCh	66, 77.276, 336.205
Yxy	35.8772, 0.3552, 0.2168
Android (android.graphics.Color)	4294928091 (0xFFFF66DB)
YUV	161.0850, 28.5521, 82.3635
Hunter-Lab	59.8976, 70.3498, -28.1809

Details

The Yxy color **35.8772, 0.3552, 0.2168** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.1800, 0.2894, 0.4811**, and the grayscale version is **35.5250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.6056, 0.3641, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **31.3001, 0.3647, 0.2043**, and if you desaturate by 10%, it is **42.0021, 0.3461, 0.2327**.

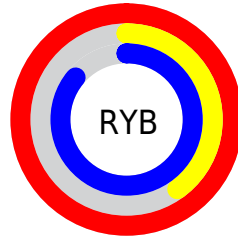
Distribution



Red (100%)

Green (40%)

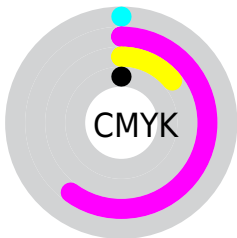
Blue (86%)



Red (100%)

Yellow (40%)

Blue (86%)

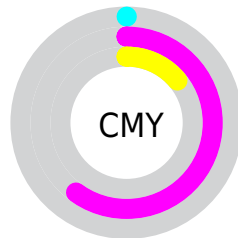


Cyan (0%)

Magenta (60%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8772, 0.3552, 0.2168 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 35.8772, 0.3552, 0.2168 by changing the saturation by 10% instead.


 35.8772, 0.3552,
0.2168


 35.8772, 0.3552,
0.2168


328.4235, 0.3359,
0.2690

 24.3394, 0.3595,
0.2050


 68.8425, 0.3486,
0.2349


 15.5856, 0.3646,
0.1905


 91.0387, 0.3460,
0.2419

 9.2314, 0.3709,
0.1724


 117.5566, 0.3437,
0.2480

 4.8924, 0.3786,
0.1494

 148.7804, 0.3418,
0.2533

 2.1843, 0.3882,
0.1196

185.0946, 0.3400,
0.2580

 0.7114, 0.4000,
0.0798

226.8836, 0.3385,

 0.0000, 0.4242,

0.2621

0.0000

274.5318, 0.3371,
0.2657

■ 0.0000, 0.3540,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8772, 0.3552,
0.2168

■ 35.8772, 0.3552,
0.2168

■ 31.3001, 0.3647,
0.2043

■ 42.0021, 0.3461,
0.2327

■ 28.1307, 0.3743,
0.1961


■ 49.8095, 0.3377,
0.2509

■ 26.1920, 0.3837,
0.1928

■ 59.4119, 0.3302,
0.2704

■ 25.1984, 0.3928,
0.1937

■ 70.9140, 0.3235,
0.2904

 84.4123, 0.3177,
0.3100

99.9969, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



35.8772, 0.2435, 0.1783



35.8772, 0.3552, 0.2168



35.8772, 0.4726, 0.2764

Triad

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



35.8772, 0.3552, 0.2168



35.8772, 0.4446, 0.5024



35.8772, 0.1317, 0.2473

Complementary

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



35.8772, 0.3552, 0.2168



76.1800, 0.2894, 0.4811

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.



35.8772, 0.1664, 0.3636



35.8772, 0.3552, 0.2168



35.8772, 0.3454, 0.5489

Square

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



35.8772, 0.3552, 0.2168



35.8772, 0.5180, 0.4235



35.8772, 0.2434, 0.4984



35.8772, 0.1342, 0.1859

Rectangle

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



35.8772, 0.3552, 0.2168



35.8772, 0.5234, 0.3225



35.8772, 0.2434, 0.4984



35.8772, 0.1387, 0.2799

Sweetspot

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



35.8750, 0.3552, 0.2168



73.4534, 0.3223, 0.2943



22.0992, 0.2180, 0.1450



14.9376, 0.3241, 0.2885



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.



35.8750, 0.3552, 0.2168



30.5595, 0.3666, 0.2023



32.7388, 0.4499, 0.2892



18.2229, 0.3174, 0.3110



13.1910, 0.3913, 0.1929



1.3012, 0.3816, 0.1876

Inverse Universe

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



35.8750, 0.3552, 0.2168



30.5595, 0.3666, 0.2023



79.2097, 0.2557, 0.3793



18.2229, 0.3174, 0.3110



13.1910, 0.3913, 0.1929



1.3012, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 35.8772, 0.3552, 0.2168 looks on a white background.

Color Contrast Check

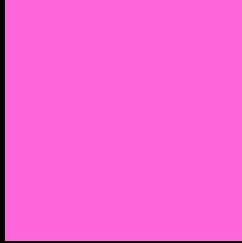
Large Text (above 18pt) WCAG AA × Fail

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 35.8772, 0.3552, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

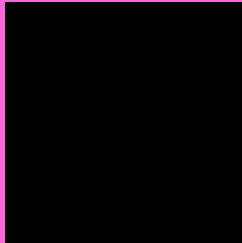
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8772, 0.3552, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 35.8772, 0.3552, 0.2168.



This preview shows how white text looks on a background with the Yxy color 35.8772, 0.3552, 0.2168.

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

35.8772, 0.3552, 0.2168

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.1248, 0.2658, 0.2597



Tritanopia

35.7016, 0.4430, 0.3198

Trichromacy



Original Color

35.8772, 0.3552, 0.2168



Protanomaly

33.3584, 0.2573, 0.2038



Deuteranomaly

33.7999, 0.2940, 0.2361



Tritanomaly

35.3109, 0.4111, 0.2791

Monochromacy



Original Color

35.8772, 0.3552, 0.2168



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.7357, 0.3287, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8772, 0.3552, 0.2168 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, 102, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 219)  
}
```

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, 102, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 219) }
```

Border

The CSS property to change the border of an element to Yxy 35.8772, 0.3552, 0.2168 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, 102, 219) }
```

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

```
.border{ border-color:rgb(255, 102, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8772, 0.3552, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 219) }
```

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

```
.background{ background-color: rgb(255,  
102, 219) }
```

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