

Converting Colors

$Y_{xy}(35.2234, 0.3696, 0.2278)$

Have a look what the booklet for
Yxy(35.2234, 0.3696, 0.2278)
contains.

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Color

Yxy(35.2190, 0.3697, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	FF66CE
RGB	255, 102, 206
RGB Percent	100%, 40%, 81%
CMY	0.0000, 0.6000, 0.1921
CMYK	0.00, 0.60, 0.19, 0.00
HSL	319°, 100%, 70%
HSV	319°, 60%, 100%
XYZ	57.1324, 35.2190, 62.1857
YIQ	159.6030, 57.8040, 64.7800

Conversions

Conversions Part 2

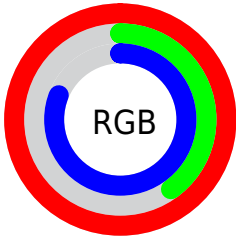
Format	Color
R _Y B	255, 102, 206
Decimal	16737998
CIE Lab	65.92, 68.87, -24.70
CIE LCh	66, 73.168, 340.274
Yxy	35.2190, 0.3697, 0.2279
Android (android.graphics.Color)	4294928078 (0xFFFF66CE)
YUV	159.6030, 22.8737, 83.6632
Hunter-Lab	59.3456, 67.9882, -20.5855

Details

The Yxy color **35.2190, 0.3697, 0.2279** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.5785, 0.2838, 0.4641**, and the grayscale version is **34.8367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.2553, 0.3836, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **30.5690, 0.3833, 0.2168**, and if you desaturate by 10%, it is **41.4339, 0.3570, 0.2423**.

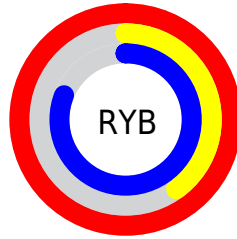
Distribution



Red (100%)

Green (40%)

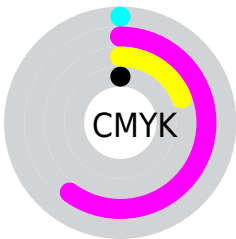
Blue (81%)



Red (100%)

Yellow (40%)

Blue (81%)

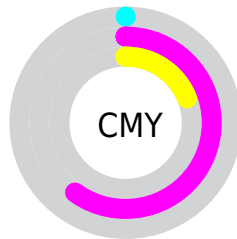


Cyan (0%)

Magenta (60%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2190, 0.3697, 0.2279 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 35.2190, 0.3697, 0.2279 by changing the saturation by 10% instead.

 35.2190, 0.3697,
0.2279


 35.2190, 0.3697,
0.2279


325.5339, 0.3423,
0.2758


 23.8316, 0.3762,
0.2168


 67.8249, 0.3600,
0.2447

 15.2088, 0.3842,
0.2030


 89.8122, 0.3563,
0.2512

 8.9660, 0.3946,
0.1856


 116.1016, 0.3531,
0.2568

 4.7190, 0.4083,
0.1630

 147.0775, 0.3504,
0.2616

 2.0834, 0.4269,
0.1329

183.1243, 0.3480,
0.2658

 0.6552, 0.4546,
0.0899

224.6264, 0.3458,

 0.0000, 0.5119,

0.2696

0.0000

271.9681, 0.3440,
0.2729

■ 0.0000, 0.8722,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2190, 0.3697,
0.2279

■ 35.2190, 0.3697,
0.2279

■ 30.5690, 0.3833,
0.2168

■ 41.4339, 0.3570,
0.2423

■ 27.3318, 0.3973,
0.2101

■ 49.3369, 0.3456,
0.2589

■ 25.3343, 0.4112,
0.2084

■ 59.0444, 0.3354,
0.2765

■ 24.2906, 0.4247,
0.2113

■ 70.6614, 0.3266,
0.2945

■ 24.2903, 0.4247,
0.2113

■ 84.2846, 0.3191,
0.3121

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



35.2190, 0.2594, 0.1871



35.2190, 0.3697, 0.2279



35.2190, 0.4776, 0.2880

Triad

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



35.2190, 0.3697, 0.2279



35.2190, 0.4294, 0.5058



35.2190, 0.1364, 0.2406

Complementary

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



35.2190, 0.3697, 0.2279



76.5785, 0.2838, 0.4641

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.



35.2190, 0.1654, 0.3450



35.2190, 0.3697, 0.2279



35.2190, 0.3323, 0.5382

Square

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



35.2190, 0.3697, 0.2279



35.2190, 0.5038, 0.4328



35.2190, 0.2352, 0.4745



35.2190, 0.1429, 0.1869

Rectangle

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



35.2190, 0.3697, 0.2279



35.2190, 0.5198, 0.3337



35.2190, 0.2352, 0.4745



35.2190, 0.1418, 0.2695

Sweetspot

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



35.2207, 0.3697, 0.2279



73.2193, 0.3250, 0.2981



23.2514, 0.2274, 0.1491



14.8801, 0.3274, 0.2929



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.



35.2207, 0.3697, 0.2279



29.8127, 0.3860, 0.2151



32.3772, 0.4669, 0.3022



18.1956, 0.3187, 0.3130



12.7208, 0.4226, 0.2102



1.2585, 0.4080, 0.2021

Inverse Universe

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



35.2207, 0.3697, 0.2279



29.8127, 0.3860, 0.2151



79.8876, 0.2503, 0.3629



18.1956, 0.3187, 0.3130



12.7208, 0.4226, 0.2102



1.2585, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 35.2190, 0.3697, 0.2279 looks on a white background.

Color Contrast Check

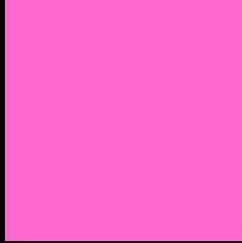
Large Text (above 18pt) WCAG AA × Fail

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 35.2190, 0.3697, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

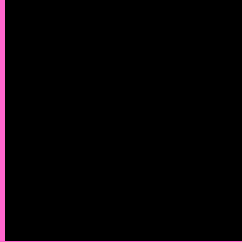
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2190, 0.3697, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 35.2190, 0.3697, 0.2279.



This preview shows how white text looks on a background with the Yxy color 35.2190, 0.3697, 0.2279.

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

35.2190, 0.3697, 0.2279

Protanopia

35.8053, 0.2261, 0.2126

Deuteranopia

35.3133, 0.2792, 0.2735



Tritanopia

35.2162, 0.4514, 0.3211

Trichromacy



Original Color

35.2190, 0.3697, 0.2279



Protanomaly

33.0588, 0.2651, 0.2124



Deuteranomaly

33.3989, 0.3094, 0.2499



Tritanomaly

34.9782, 0.4226, 0.2849

Monochromacy



Original Color

35.2190, 0.3697, 0.2279



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.2417, 0.3339, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2190, 0.3697, 0.2279 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 206) }
```

Border

The CSS property to change the border of an element to Yxy 35.2190, 0.3697, 0.2279 is called "border". The border property can be set on classes, ids or directly on the HTML element.

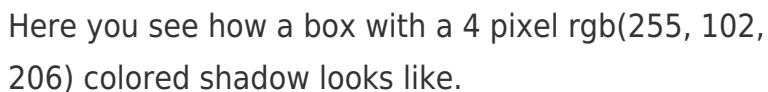
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 102, 206) }
```

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

```
.border{ border-color:rgb(255, 102, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 206); box-shadow:4px 4px 4px 4px rgb(255, 102, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2190, 0.3697, 0.2279 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
102, 206) }
```

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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