

Converting Colors

$Y_{xy}(35.6124, 0.4170, 0.2758)$

Have a look what the booklet for
Yxy(35.6124, 0.4170, 0.2758)
contains.

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Color

Yxy(35.5650, 0.4172, 0.2757)

Conversions

Conversions Part 1

Format	Color
Hex	FF70A5
RGB	255, 112, 165
RGB Percent	100%, 44%, 65%
CMY	0.0001, 0.5607, 0.3530
CMYK	0.00, 0.56, 0.35, 0.00
HSL	338°, 100%, 72%
HSV	338°, 56%, 100%
XYZ	53.8183, 35.5650, 39.6156
YIQ	160.7990, 68.2150, 46.7990

Conversions

Conversions Part 2

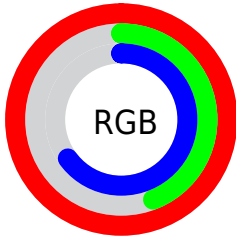
Format	Color
R_{YB}	255, 112, 165
Decimal	16740517
CIE _{Lab}	66.19, 59.40, -1.08
CIE _{LCh}	66, 59.410, 358.959
Yxy	35.5650, 0.4172, 0.2757
Android (android.graphics.Color)	4294930597 (0xFFFF70A5)
YUV	160.7990, 2.0711, 82.6143
Hunter-Lab	59.6364, 56.7221, 2.3600

Details

The Yxy color **35.5650, 0.4172, 0.2757** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.2187, 0.2646, 0.3947**, and the grayscale version is **35.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4326, 0.3456, 0.2760**, and **15.2999, 0.4498, 0.2592** is the 20% darker color. If you saturate the color by 10%, you get **30.1644, 0.4475, 0.2699**, and if you desaturate by 10%, it is **42.6353, 0.3904, 0.2840**.

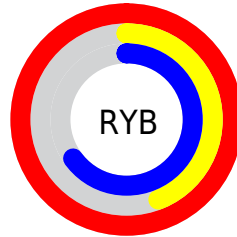
Distribution



Red (100%)

Green (44%)

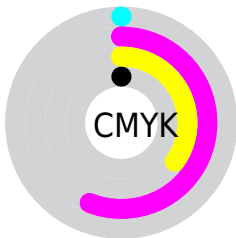
Blue (65%)



Red (100%)

Yellow (44%)

Blue (65%)

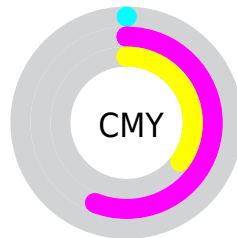


Cyan (0%)

Magenta (56%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5650, 0.4172, 0.2757 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 35.5650, 0.4172, 0.2757 by changing the saturation by 10% instead.


 35.5650, 0.4172,
0.2757

 35.5650, 0.4172,
0.2757


327.0552, 0.3631,
0.3032

 24.0984, 0.4312,
0.2686


 68.3601, 0.3971,
0.2859

 15.4066, 0.4495,
0.2594


 90.4575, 0.3897,
0.2896

 9.1053, 0.4742,
0.2470


 116.8672, 0.3835,
0.2928

 4.8099, 0.5093,
0.2295

147.9737, 0.3782,
0.2955

 2.1362, 0.5625,
0.2032

184.1613, 0.3736,
0.2978

 0.6849, 0.6529,
0.1578

225.8145, 0.3696,

 0.0000, 1.0000,

0.2998

0.0000

273.3177, 0.3661,
0.3016

■ 0.0000, 0.0000,
0.0000

■ 35.5650, 0.4172,
0.2757

■ 35.5650, 0.4172,
0.2757

■ 30.1644, 0.4475,
0.2699

■ 42.6353, 0.3904,
0.2840

■ 26.2871, 0.4802,
0.2678

■ 51.4947, 0.3674,
0.2937

■ 23.7700, 0.5130,
0.2707

■ 62.2578, 0.3482,
0.3038

■ 22.4089, 0.5435,
0.2788

■ 75.0280, 0.3324,
0.3139

■ 22.0721, 0.5546,
0.2829

■ 89.9012, 0.3194,
0.3235

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



35.5650, 0.3246, 0.2283



35.5650, 0.4172, 0.2757



35.5650, 0.4802, 0.3351

Triad

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



35.5650, 0.4172, 0.2757



35.5650, 0.3661, 0.4966



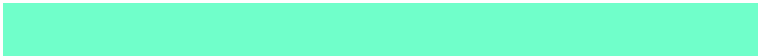
35.5650, 0.1625, 0.2243

Complementary

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



35.5650, 0.4172, 0.2757



79.2187, 0.2646, 0.3947

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.



35.5650, 0.1694, 0.2869



35.5650, 0.4172, 0.2757



35.5650, 0.2814, 0.4715

Square

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



35.5650, 0.4172, 0.2757



35.5650, 0.4415, 0.4603



35.5650, 0.2098, 0.3828



35.5650, 0.1863, 0.1979

Rectangle

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



35.5650, 0.4172, 0.2757



35.5650, 0.4910, 0.3776



35.5650, 0.2098, 0.3828



35.5650, 0.1613, 0.2408

Sweetspot

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



35.5668, 0.4172, 0.2757



73.7574, 0.3337, 0.3129



31.1180, 0.2697, 0.1759



15.2108, 0.3367, 0.3109



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.



35.5668, 0.4172, 0.2757



29.7442, 0.4505, 0.2695



38.0500, 0.4726, 0.3460



18.0983, 0.3236, 0.3202



11.5617, 0.5503, 0.2805



1.1460, 0.5193, 0.2634

Inverse Universe

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



35.5668, 0.4172, 0.2757



29.7442, 0.4505, 0.2695



71.9900, 0.2378, 0.3090



18.0983, 0.3236, 0.3202



11.5617, 0.5503, 0.2805



1.1460, 0.5193, 0.2634

Previews

White Background



This preview shows how the Yxy color 35.5650, 0.4172, 0.2757 looks on a white background.

Color Contrast Check

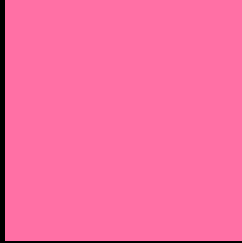
Large Text (above 18pt) WCAG AA × Fail

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 35.5650, 0.4172, 0.2757 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 35.5650, 0.4172, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 35.5650, 0.4172, 0.2757.



This preview shows how white text looks on a background with the Yxy color 35.5650, 0.4172, 0.2757.

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

35.5650, 0.4172, 0.2757

Protanopia

35.9518, 0.2784, 0.2800

Deuteranopia

35.7105, 0.3328, 0.3263



Tritanopia

35.4476, 0.4575, 0.3203

Trichromacy



Original Color

35.5650, 0.4172, 0.2757



Protanomaly

34.1820, 0.3223, 0.2757



Deuteranomaly

34.4512, 0.3623, 0.3024



Tritanomaly

35.2965, 0.4439, 0.3039

Monochromacy



Original Color

35.5650, 0.4172, 0.2757



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8557, 0.3488, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5650, 0.4172, 0.2757 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, 112, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 165)  
}
```

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, 112, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 165) }
```

Border

The CSS property to change the border of an element to Yxy 35.5650, 0.4172, 0.2757 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, 112, 165) }
```

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

```
.border{ border-color:rgb(255, 112, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5650, 0.4172, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 165) }
```

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

```
.background{ background-color: rgb(255,  
112, 165) }
```

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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