

Converting Colors

$Y_{xy}(36.5693, 0.4235, 0.2876)$

Have a look what the booklet for
Yxy(36.5693, 0.4235, 0.2876)
contains.

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Color

Yxy(36.4512, 0.4242, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	FF759E
RGB	255, 117, 158
RGB Percent	100%, 46%, 62%
CMY	0.0000, 0.5413, 0.3804
CMYK	0.00, 0.54, 0.38, 0.00
HSL	342°, 100%, 73%
HSV	342°, 54%, 100%
XYZ	53.7830, 36.4512, 36.5526
YIQ	162.9360, 69.0870, 42.0070

Conversions

Conversions Part 2

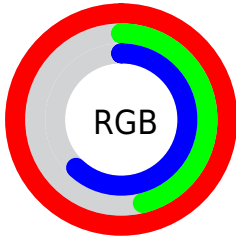
Format	Color
R _Y B	255, 117, 158
Decimal	16741790
CIE Lab	66.86, 56.39, 3.87
CIE LCh	67, 56.524, 3.923
Yxy	36.4512, 0.4242, 0.2875
Android (android.graphics.Color)	4294931870 (0xFFFF759E)
YUV	162.9360, -2.4334, 80.7401
Hunter-Lab	60.3748, 53.3550, 6.3665

Details

The Yxy color **36.4512, 0.4242, 0.2875** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.1539, 0.2611, 0.3789**, and the grayscale version is **36.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9006, 0.3518, 0.2890**, and **15.8684, 0.4580, 0.2735** is the 20% darker color. If you saturate the color by 10%, you get **30.7203, 0.4581, 0.2828**, and if you desaturate by 10%, it is **43.8804, 0.3945, 0.2943**.

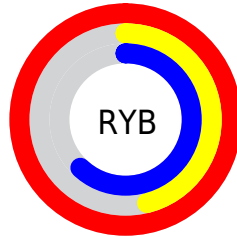
Distribution



Red (100%)

Green (46%)

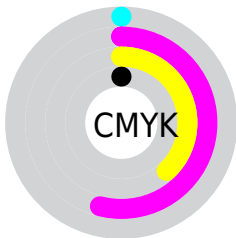
Blue (62%)



Red (100%)

Yellow (46%)

Blue (62%)

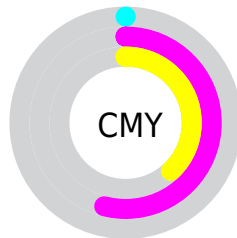


Cyan (0%)

Magenta (54%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4512, 0.4242, 0.2875 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 36.4512, 0.4242, 0.2875 by changing the saturation by 10% instead.


 36.4512, 0.4242,
0.2875


 36.4512, 0.4242,
0.2875


330.9284, 0.3663,
0.3096

 24.7829, 0.4393,
0.2816


 69.7279, 0.4027,
0.2958

 15.9154, 0.4589,
0.2738

 92.1051, 0.3947,
0.2989

 9.4643, 0.4854,
0.2631

 118.8207, 0.3881,
0.3014

 5.0452, 0.5231,
0.2475

150.2590, 0.3824,
0.3035

 2.2738, 0.5800,
0.2233

186.8046, 0.3775,
0.3054

 0.7598, 0.6823,
0.1833

228.8417, 0.3733,


 0.0000, 1.0000,

0.3070

0.0000

276.7549, 0.3696,
0.3084


 0.0000, 0.0000,
0.0000


 36.4512, 0.4242,
0.2875


 36.4512, 0.4242,
0.2875


 30.7203, 0.4581,
0.2828


 43.8804, 0.3945,
0.2943

 26.5633, 0.4948,
0.2814


 53.1455, 0.3693,
0.3022


 23.8146, 0.5316,
0.2843

 64.3535, 0.3485,
0.3103

 22.2783, 0.5650,
0.2920

 77.6073, 0.3315,
0.3184

 21.7791, 0.5821,
0.2980

 93.0025, 0.3176,
0.3260

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.



36.4512, 0.3390, 0.2394



36.4512, 0.4242, 0.2875



36.4512, 0.4760, 0.3459

Triad

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



36.4512, 0.4242, 0.2875



36.4512, 0.3513, 0.4878



36.4512, 0.1710, 0.2234

Complementary

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



36.4512, 0.4242, 0.2875



80.1539, 0.2611, 0.3789

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.



36.4512, 0.1729, 0.2775



36.4512, 0.4242, 0.2875



36.4512, 0.2710, 0.4517

Square

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



36.4512, 0.4242, 0.2875



36.4512, 0.4256, 0.4627



36.4512, 0.2066, 0.3640



36.4512, 0.1989, 0.2026

Rectangle

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



36.4512, 0.4242, 0.2875



36.4512, 0.4805, 0.3869



36.4512, 0.2066, 0.3640



36.4512, 0.1683, 0.2374

Sweetspot

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



36.4465, 0.4242, 0.2875



74.9635, 0.3344, 0.3169



34.1726, 0.2817, 0.1851



15.4420, 0.3378, 0.3152



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.



36.4465, 0.4242, 0.2875



30.2966, 0.4612, 0.2825



42.6673, 0.4567, 0.3575



18.0759, 0.3247, 0.3220



11.4028, 0.5778, 0.2957



1.1285, 0.5458, 0.2780

Inverse Universe

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



36.4465, 0.4242, 0.2875



30.2966, 0.4612, 0.2825



66.1553, 0.2367, 0.2957



18.0759, 0.3247, 0.3220



11.4028, 0.5778, 0.2957



1.1285, 0.5458, 0.2780

Previews

White Background



This preview shows how the Yxy color 36.4512, 0.4242, 0.2875 looks on a white background.

Color Contrast Check

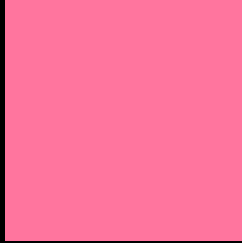
Large Text (above 18pt) WCAG AA × Fail

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 36.4512, 0.4242, 0.2875 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 36.4512, 0.4242, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 36.4512, 0.4242, 0.2875.



This preview shows how white text looks on a background with the Yxy color 36.4512, 0.4242, 0.2875.

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

36.4512, 0.4242, 0.2875

Protanopia

36.7749, 0.2923, 0.2980

Deuteranopia

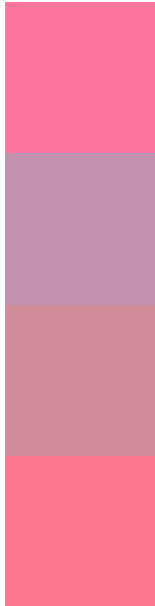
36.4482, 0.3434, 0.3360



Tritanopia

36.4404, 0.4531, 0.3202

Trichromacy



Original Color

36.4512, 0.4242, 0.2875

Protanomaly

35.2550, 0.3349, 0.2914

Deuteranomaly

35.2344, 0.3725, 0.3140

Tritanomaly

36.4269, 0.4429, 0.3079

Monochromacy



Original Color

36.4512, 0.4242, 0.2875

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

34.8667, 0.3502, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4512, 0.4242, 0.2875 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, 117, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 158)  
}
```

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, 117, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 158) }
```

Border

The CSS property to change the border of an element to Yxy 36.4512, 0.4242, 0.2875 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, 117, 158) }
```

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

```
.border{ border-color:rgb(255, 117, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4512, 0.4242, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 158) }
```

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

```
.background{ background-color: rgb(255,  
117, 158) }
```

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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