

Converting Colors

$Y_{xy}(36.8255, 0.4189, 0.2844)$

Have a look what the booklet for
Yxy(36.8255, 0.4189, 0.2844)
contains.

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Color

Yxy(36.8255, 0.4189, 0.2844)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF76A2 |
| RGB | 255, 118, 162 |
| RGB Percent | 100%, 46%, 64% |
| CMY | 0.0000, 0.5372, 0.3648 |
| CMYK | 0.00, 0.54, 0.36, 0.00 |
| HSL | 341°, 100%, 73% |
| HSV | 341°, 54%, 100% |
| XYZ | 54.2412, 36.8255, 38.4182 |
| YIQ | 163.9790, 67.5280, 42.7280 |

Conversions

Conversions Part 2

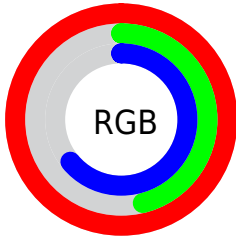
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 118, 162 |
| Decimal | 16742050 |
| CIELab | 67.15, 56.34, 2.03 |
| CIElCh | 67, 56.380, 2.062 |
| Yxy | 36.8255, 0.4189, 0.2844 |
| Android (android.graphics.Color) | 4294932130 (0xFFFF76A2) |
| YUV | 163.9790, -0.9756, 79.8254 |
| Hunter-Lab | 60.6840, 53.3517, 4.9432 |

Details

The Yxy color **36.8255, 0.4189, 0.2844** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.0764, 0.2628, 0.3826**, and the grayscale version is **37.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5419, 0.3473, 0.2850**, and **16.1950, 0.4514, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **31.0354, 0.4513, 0.2790**, and if you desaturate by 10%, it is **44.3225, 0.3905, 0.2919**.

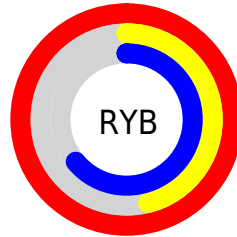
Distribution



Red (100%)

Green (46%)

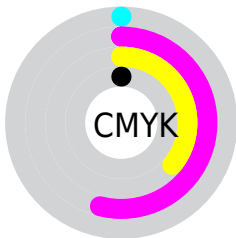
Blue (64%)



Red (100%)

Yellow (46%)

Blue (64%)

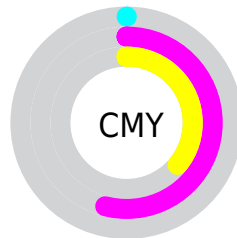


Cyan (0%)

Magenta (54%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8255, 0.4189, 0.2844 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 36.8255, 0.4189, 0.2844 by changing the saturation by 10% instead.


 36.8255, 0.4189,
0.2844


 36.8255, 0.4189,
0.2844


332.5544, 0.3639,
0.3078

 25.0724, 0.4331,
0.2783


 70.3043, 0.3985,
0.2931

 16.1310, 0.4517,
0.2702


 92.7988, 0.3910,
0.2963

 9.6169, 0.4767,
0.2593


 119.6426, 0.3847,
0.2990

 5.1457, 0.5122,
0.2436

151.2201, 0.3793,
0.3013

 2.3330, 0.5659,
0.2196

187.9156, 0.3746,
0.3033

 0.7911, 0.6569,
0.1797

230.1136, 0.3706,

 0.0000, 1.0000,

0.3050

0.0000

278.1984, 0.3670,
0.3065

0.0000, 0.0000,
0.0000

36.8255, 0.4189,
0.2844

36.8255, 0.4189,
0.2844

31.0354, 0.4513,
0.2790

44.3225, 0.3905,
0.2919

26.8158, 0.4865,
0.2770

53.6500, 0.3665,
0.3004

24.0072, 0.5223,
0.2795

64.9186, 0.3466,
0.3092

22.4158, 0.5553,
0.2869

78.2306, 0.3303,
0.3179

21.8668, 0.5736,
0.2933

93.6810, 0.3170,
0.3261

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.



36.8255, 0.3334, 0.2374



36.8255, 0.4189, 0.2844



36.8255, 0.4734, 0.3421

Triad

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



36.8255, 0.4189, 0.2844



36.8255, 0.3562, 0.4868



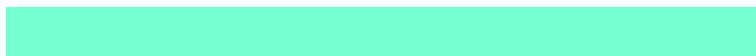
36.8255, 0.1709, 0.2263

Complementary

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



36.8255, 0.4189, 0.2844



80.0764, 0.2628, 0.3826

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.



36.8255, 0.1747, 0.2823



36.8255, 0.4189, 0.2844



36.8255, 0.2761, 0.4550

Square

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



36.8255, 0.4189, 0.2844



36.8255, 0.4290, 0.4592



36.8255, 0.2104, 0.3697



36.8255, 0.1969, 0.2037

Rectangle

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



36.8255, 0.4189, 0.2844



36.8255, 0.4802, 0.3830



36.8255, 0.2104, 0.3697



36.8255, 0.1688, 0.2410

Sweetspot

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



36.8251, 0.4189, 0.2844



75.0168, 0.3337, 0.3159



33.7816, 0.2780, 0.1845



15.4546, 0.3370, 0.3142



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.



36.8251, 0.4189, 0.2844



30.8988, 0.4522, 0.2789



41.5694, 0.4581, 0.3526



18.0832, 0.3244, 0.3214



11.4499, 0.5693, 0.2910



1.1338, 0.5374, 0.2734

Inverse Universe

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



36.8251, 0.4189, 0.2844



30.8988, 0.4522, 0.2789



68.8791, 0.2384, 0.3017



18.0832, 0.3244, 0.3214



11.4499, 0.5693, 0.2910



1.1338, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 36.8255, 0.4189, 0.2844 looks on a white background.

Color Contrast Check

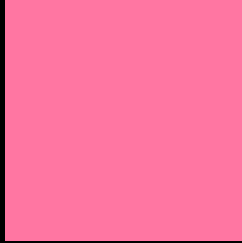
Large Text (above 18pt) WCAG AA × Fail

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 36.8255, 0.4189, 0.2844 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 36.8255, 0.4189, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 36.8255, 0.4189, 0.2844.



This preview shows how white text looks on a background with the Yxy color 36.8255, 0.4189, 0.2844.

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

36.8255, 0.4189, 0.2844

Protanopia

37.2394, 0.2875, 0.2927

Deuteranopia

36.9213, 0.3393, 0.3318



Tritanopia

36.9639, 0.4508, 0.3212

Trichromacy



Original Color

36.8255, 0.4189, 0.2844



Protanomaly

35.5914, 0.3298, 0.2875



Deuteranomaly

35.6689, 0.3679, 0.3103



Tritanomaly

36.9731, 0.4395, 0.3078

Monochromacy



Original Color

36.8255, 0.4189, 0.2844



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.3821, 0.3490, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8255, 0.4189, 0.2844 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, 118, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 162)  
}
```

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, 118, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 162) }
```

Border

The CSS property to change the border of an element to Yxy 36.8255, 0.4189, 0.2844 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, 118, 162) }
```

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

```
.border{ border-color:rgb(255, 118, 162) }
```

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

Here you see how a box with a 4 pixel rgb(255, 118, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8255, 0.4189, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 162) }
```

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

```
.background{ background-color: rgb(255,  
118, 162) }
```

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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