

Converting Colors

$Y_{xy}(34.7046, 0.4288, 0.2818)$

Have a look what the booklet for
Yxy(34.7046, 0.4288, 0.2818)
contains.

Yxy(34.6316, 0.4284, 0.2810)	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(34.6316, 0.4284, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	FF6D9D
RGB	255, 109, 157
RGB Percent	100%, 43%, 62%
CMY	0.0000, 0.5726, 0.3842
CMYK	0.00, 0.57, 0.38, 0.00
HSL	340°, 100%, 71%
HSV	340°, 57%, 100%
XYZ	52.7978, 34.6316, 35.8147
YIQ	158.1260, 71.6080, 45.8800

Conversions

Conversions Part 2

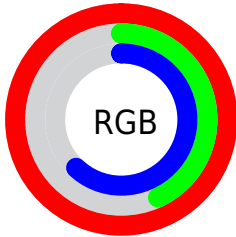
Format	Color
R_{YB}	255, 109, 157
Decimal	16739741
CIE _{Lab}	65.46, 59.90, 2.39
CIE _{LCh}	65, 59.943, 2.286
Yxy	34.6316, 0.4284, 0.2810
Android (android.graphics.Color)	4294929821 (0xFFFF6D9D)
YUV	158.1260, -0.5551, 84.9585
Hunter-Lab	58.8486, 57.1615, 5.1107

Details

The Yxy color **34.6316, 0.4284, 0.2810** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.2745, 0.2613, 0.3884**, and the grayscale version is **34.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8734, 0.3541, 0.2818**, and **14.8776, 0.4645, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **29.4144, 0.4615, 0.2765**, and if you desaturate by 10%, it is **41.5102, 0.3990, 0.2881**.

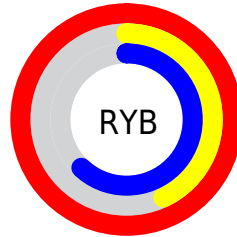
Distribution



Red (100%)

Green (43%)

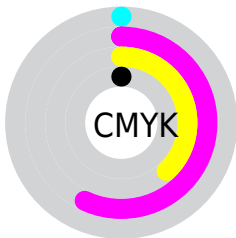
Blue (62%)



Red (100%)

Yellow (43%)

Blue (62%)

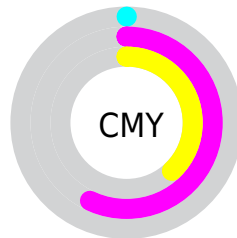


Cyan (0%)

Magenta (57%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6316, 0.4284, 0.2810 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 34.6316, 0.4284, 0.2810 by changing the saturation by 10% instead.

 34.6316, 0.4284,
0.2810


 34.6316, 0.4284,
0.2810


322.9392, 0.3680,
0.3064


 23.3792, 0.4442,
0.2742


 66.9147, 0.4059,
0.2906

 14.8738, 0.4649,
0.2653


 88.7141, 0.3976,
0.2940

 8.7308, 0.4929,
0.2532


 114.7981, 0.3906,
0.2970

 4.5660, 0.5329,
0.2355

145.5510, 0.3847,
0.2994

 1.9950, 0.5934,
0.2084

181.3571, 0.3797,
0.3016

 0.6045, 0.7107,
0.1596

222.6010, 0.3752,


 0.0000, 1.0000,


0.3034

0.0000


269.6669, 0.3714,
0.3050


 0.0000, 0.0000,
0.0000

 34.6316, 0.4284,
0.2810

 34.6316, 0.4284,
0.2810

 29.4144, 0.4615,
0.2765


 41.5102, 0.3990,
0.2881


 25.7114, 0.4968,
0.2758


 50.1743, 0.3738,
0.2965


 23.3546, 0.5316,
0.2799

 60.7394, 0.3527,
0.3055

 22.1264, 0.5628,
0.2889

 73.3106, 0.3354,
0.3145

 21.8984, 0.5706,
0.2917

 87.9851, 0.3213,
0.3231

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.



34.6316, 0.3353, 0.2313



34.6316, 0.4284, 0.2810



34.6316, 0.4869, 0.3418

Triad

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



34.6316, 0.4284, 0.2810



34.6316, 0.3571, 0.5006



34.6316, 0.1616, 0.2179

Complementary

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



34.6316, 0.4284, 0.2810



79.2745, 0.2613, 0.3884

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.



34.6316, 0.1649, 0.2769



34.6316, 0.4284, 0.2810



34.6316, 0.2714, 0.4668

Square

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



34.6316, 0.4284, 0.2810



34.6316, 0.4358, 0.4680



34.6316, 0.2018, 0.3721



34.6316, 0.1891, 0.1949

Rectangle

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



34.6316, 0.4284, 0.2810



34.6316, 0.4931, 0.3851



34.6316, 0.2018, 0.3721



34.6316, 0.1592, 0.2332

Sweetspot

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



34.6327, 0.4284, 0.2810



73.6583, 0.3350, 0.3147



31.3267, 0.2749, 0.1755



15.1875, 0.3382, 0.3129



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.



34.6327, 0.4284, 0.2810



28.6635, 0.4676, 0.2761



39.2305, 0.4726, 0.3536



18.0856, 0.3242, 0.3212



11.4668, 0.5663, 0.2893



1.1357, 0.5344, 0.2718

Inverse Universe

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



34.6327, 0.4284, 0.2810



28.6635, 0.4676, 0.2761



67.4366, 0.2347, 0.2996



18.0856, 0.3242, 0.3212



11.4668, 0.5663, 0.2893



1.1357, 0.5344, 0.2718

Previews

White Background



This preview shows how the Yxy color 34.6316, 0.4284, 0.2810 looks on a white background.

Color Contrast Check

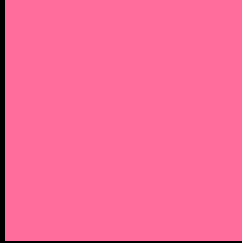
Large Text (above 18pt) WCAG AA × Fail

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 34.6316, 0.4284, 0.2810 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 34.6316, 0.4284, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 34.6316, 0.4284, 0.2810.



This preview shows how white text looks on a background with the Yxy color 34.6316, 0.4284, 0.2810.

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

34.6316, 0.4284, 0.2810

Protanopia

34.8689, 0.2852, 0.2890

Deuteranopia

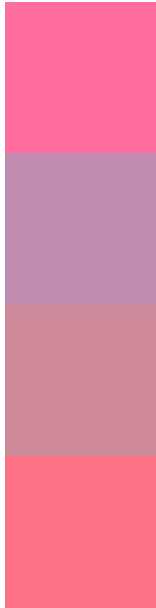
34.7782, 0.3409, 0.3347



Tritanopia

34.6163, 0.4654, 0.3224

Trichromacy



Original Color

34.6316, 0.4284, 0.2810

Protanomaly

32.9277, 0.3316, 0.2829

Deuteranomaly

33.5987, 0.3717, 0.3100

Tritanomaly

34.4422, 0.4530, 0.3072

Monochromacy



Original Color

34.6316, 0.4284, 0.2810

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.5622, 0.3517, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6316, 0.4284, 0.2810 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, 109, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 157)  
}
```

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, 109, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 157) }
```

Border

The CSS property to change the border of an element to Yxy 34.6316, 0.4284, 0.2810 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, 109, 157) }
```

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

```
.border{ border-color:rgb(255, 109, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6316, 0.4284, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 157) }
```

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

```
.background{ background-color: rgb(255,  
109, 157) }
```

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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