

Converting Colors

Yxy(33.5581, 0.4292, 0.3126)

Have a look what the booklet for
Yxy(33.5581, 0.4292, 0.3126)
contains.

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Color

Yxy(33.5581, 0.4292, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	EC7A89
RGB	236, 122, 137
RGB Percent	93%, 48%, 54%
CMY	0.0744, 0.5216, 0.4627
CMYK	0.00, 0.48, 0.42, 0.07
HSL	352°, 75%, 70%
HSV	352°, 48%, 93%
XYZ	46.0753, 33.5581, 27.7182
YIQ	157.7960, 63.1290, 28.8330

Conversions

Conversions Part 2

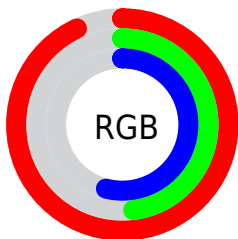
Format	Color
R _Y B	236, 122, 137
Decimal	15497865
CIE Lab	64.61, 45.32, 12.23
CIE LCh	65, 46.940, 15.100
Yxy	33.5581, 0.4292, 0.3126
Android (android.graphics.Color)	4293687945 (0xFFEC7A89)
YUV	157.7960, -10.2524, 68.5849
Hunter-Lab	57.9294, 40.5972, 12.1813

Details

The Yxy color **33.5581, 0.4292, 0.3126** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.3668, 0.2560, 0.3476**, and the grayscale version is **34.1204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4220, 0.3706, 0.3156**, and **14.2915, 0.4688, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **27.9181, 0.4690, 0.3104**, and if you desaturate by 10%, it is **40.7205, 0.3950, 0.3157**.

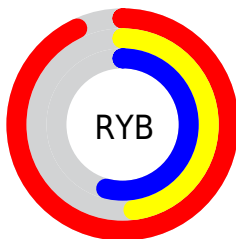
Distribution



Red (93%)

Green (48%)

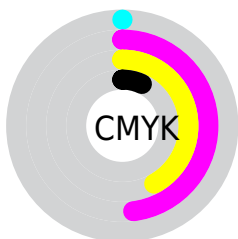
Blue (54%)



Red (93%)

Yellow (48%)

Blue (54%)

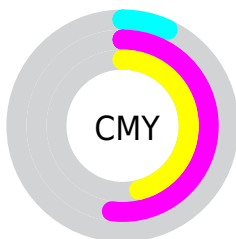


Cyan (0%)

Magenta (48%)

Yellow (42%)

Black (7%)



Cyan (7%)


Magenta (52%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5581, 0.4292, 0.3126 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 33.5581, 0.4292, 0.3126 by changing the saturation by 10% instead.


 33.5581, 0.4292,
0.3126


 33.5581, 0.4292,
0.3126


318.1571, 0.3673,
0.3230

 22.5543, 0.4457,
0.3092


 65.2459, 0.4059,
0.3169

 14.2648, 0.4675,
0.3044


 86.6987, 0.3974,
0.3184

 8.3051, 0.4974,
0.2970


 112.4033, 0.3903,
0.3196

 4.2908, 0.5405,
0.2850

142.7441, 0.3843,
0.3205

 1.8375, 0.6069,
0.2633

178.1055, 0.3792,
0.3213

 0.5104, 0.7825,
0.2175

218.8718, 0.3747,

 0.0000, 1.0000,

0.3220

0.0000

265.4276, 0.3708,
0.3225

■ 0.0000, 0.0000,
0.0000

■ 33.5581, 0.4292,
0.3126

■ 33.5581, 0.4292,
0.3126

■ 27.9181, 0.4690,
0.3104

■ 40.7205, 0.3950,
0.3157

■ 23.6853, 0.5128,
0.3097

■ 49.4993, 0.3668,
0.3193

■ 20.7365, 0.5566,
0.3113

■ 59.9869, 0.3438,
0.3229

■ 18.9248, 0.5948,
0.3153

■ 72.2672, 0.3253,
0.3263

■ 18.0431, 0.6220,
0.3212

■ 86.4188, 0.3104,
0.3295

■ 17.9378, 0.6255,
0.3219

■ 96.5784, 0.3012,
0.3290

Harmonies

Analogous

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



33.5581, 0.3642, 0.2652



33.5581, 0.4292, 0.3126



33.5581, 0.4578, 0.3665

Triad

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



33.5581, 0.4292, 0.3126



33.5581, 0.3219, 0.4579



33.5581, 0.1945, 0.2275

Complementary

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



33.5581, 0.4292, 0.3126



69.3668, 0.2560, 0.3476

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.



33.5581, 0.1864, 0.2648



33.5581, 0.4292, 0.3126



33.5581, 0.2546, 0.4075

Square

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



33.5581, 0.4292, 0.3126



33.5581, 0.3903, 0.4573



33.5581, 0.2064, 0.3303



33.5581, 0.2295, 0.2177

Rectangle

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



33.5581, 0.4292, 0.3126



33.5581, 0.4514, 0.4023



33.5581, 0.2064, 0.3303



33.5581, 0.1887, 0.2367

Sweetspot

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



33.5598, 0.4292, 0.3126



77.4617, 0.3354, 0.3244



35.3179, 0.3039, 0.2070



15.9198, 0.3396, 0.3236



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.



33.5598, 0.4292, 0.3126



33.3177, 0.4687, 0.3104



45.7231, 0.4223, 0.3760



15.0863, 0.3272, 0.3259



9.8951, 0.6228, 0.3205



0.7873, 0.5915, 0.3032

Inverse Universe

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



33.5598, 0.4292, 0.3126



33.3177, 0.4687, 0.3104



48.8735, 0.2389, 0.2746



15.0863, 0.3272, 0.3259



9.8951, 0.6228, 0.3205



0.7873, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 33.5581, 0.4292, 0.3126 looks on a white background.

Color Contrast Check

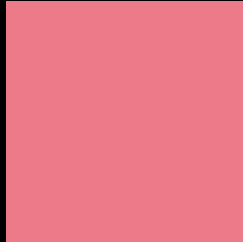
Large Text (above 18pt) WCAG AA × Fail

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 33.5581, 0.4292, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

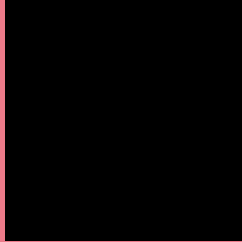
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5581, 0.4292, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 33.5581, 0.4292, 0.3126.



This preview shows how white text looks on a background with the Yxy color 33.5581, 0.4292, 0.3126.

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

33.5581, 0.4292, 0.3126

Protanopia

33.6171, 0.3176, 0.3305

Deuteranopia

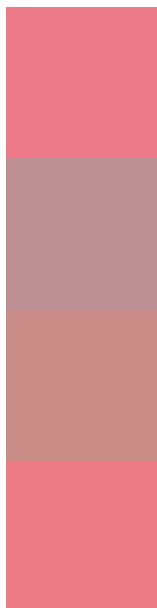
33.6229, 0.3631, 0.3561



Tritanopia

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.5581, 0.4292, 0.3126

Protanomaly

32.7760, 0.3560, 0.3236

Deuteranomaly

32.8949, 0.3871, 0.3371

Tritanomaly

33.7200, 0.4324, 0.3171

Monochromacy



Original Color

33.5581, 0.4292, 0.3126

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.8919, 0.3515, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5581, 0.4292, 0.3126 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(236, 122, 137)` looks like.

```
.text, #text, p{  
    color:rgb(236, 122, 137)  
}
```

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(236, 122, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 122, 137) }
```

Border

The CSS property to change the border of an element to Yxy 33.5581, 0.4292, 0.3126 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(236, 122, 137) }
```

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

```
.border{ border-color:rgb(236, 122, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 122, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 122, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 122, 137);  
box-shadow:4px 4px 4px 4px rgb(236, 122,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5581, 0.4292, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 122, 137) }
```

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

```
.background{ background-color: rgb(236,  
122, 137) }
```

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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