

Converting Colors

$Y_{xy}(34.5534, 0.4543, 0.3318)$

Have a look what the booklet for
Yxy(34.5534, 0.4543, 0.3318)
contains.

Yxy(34.4236, 0.4542, 0.3316)	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(34.4236, 0.4542, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	F27B79
RGB	242, 123, 121
RGB Percent	95%, 48%, 47%
CMY	0.0510, 0.5176, 0.5256
CMYK	0.00, 0.49, 0.50, 0.05
HSL	1°, 82%, 71%
HSV	1°, 50%, 95%
XYZ	47.1508, 34.4236, 22.2362
YIQ	158.3530, 71.5660, 24.6060

Conversions

Conversions Part 2

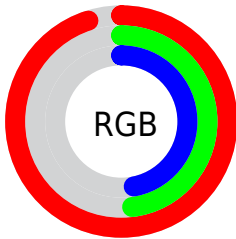
Format	Color
R _Y B	242, 123, 121
Decimal	15891321
CIE Lab	65.30, 45.39, 22.39
CIE LCh	65, 50.612, 26.256
Yxy	34.4236, 0.4542, 0.3316
Android (android.graphics.Color)	4294081401 (0xFFFF27B79)
YUV	158.3530, -18.4150, 73.3584
Hunter-Lab	58.6716, 40.7741, 18.5995

Details

The Yxy color **34.4236, 0.4542, 0.3316** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **72.7671, 0.2469, 0.3264**, and the grayscale version is **34.4218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1179, 0.3856, 0.3345**, and **14.7933, 0.5007, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **28.7013, 0.5002, 0.3320**, and if you desaturate by 10%, it is **41.7324, 0.4137, 0.3311**.

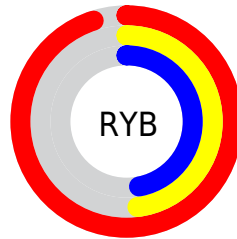
Distribution



Red (95%)

Green (48%)

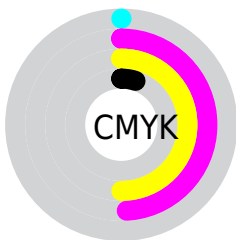
Blue (47%)



Red (95%)

Yellow (48%)

Blue (47%)

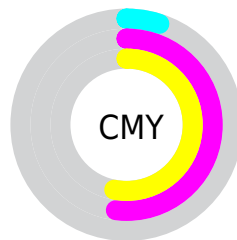


Cyan (0%)

Magenta (49%)

Yellow (50%)

Black (5%)



Cyan (5%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4236, 0.4542, 0.3316 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 34.4236, 0.4542, 0.3316 by changing the saturation by 10% instead.


 34.4236, 0.4542,
0.3316


 34.4236, 0.4542,
0.3316


322.0168, 0.3794,
0.3338


 23.2192, 0.4738,
0.3298


 66.5919, 0.4262,
0.3333

 14.7555, 0.4994,
0.3265


 88.3245, 0.4159,
0.3337

 8.6479, 0.5338,
0.3207


 114.3354, 0.4073,
0.3339

 4.5123, 0.5817,
0.3096

145.0089, 0.4000,
0.3339

 1.9640, 0.6652,
0.2932

180.7294, 0.3938,
0.3339

 0.5865, 0.7700,
0.2300

221.8812, 0.3883,


 0.0000, 1.0000,


0.3339


0.0000

268.8489, 0.3836,
0.3338

 0.0000, 0.0000,
0.0000

 34.4236, 0.4542,
0.3316


 34.4236, 0.4542,
0.3316


 28.7013, 0.5002,
0.3320

 41.7324, 0.4137,
0.3311


 24.4432, 0.5482,
0.3320

 50.7275, 0.3799,
0.3306


 21.5176, 0.5916,
0.3318


 61.5071, 0.3524,
0.3300

 19.7674, 0.6231,
0.3312

 74.1600, 0.3304,
0.3295

 18.9664, 0.6392,
0.3307

 88.7694, 0.3127,
0.3290

 97.6176, 0.3048,
0.3290

Harmonies

Analogous

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



34.4236, 0.3964, 0.2785



34.4236, 0.4542, 0.3316



34.4236, 0.4660, 0.3889

Triad

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



34.4236, 0.4542, 0.3316



34.4236, 0.2938, 0.4538



34.4236, 0.1981, 0.2144

Complementary

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



34.4236, 0.4542, 0.3316



72.7671, 0.2469, 0.3264

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.



34.4236, 0.1789, 0.2419



34.4236, 0.4542, 0.3316



34.4236, 0.2284, 0.3832

Square

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



34.4236, 0.4542, 0.3316



34.4236, 0.3684, 0.4725



34.4236, 0.1885, 0.3007



34.4236, 0.2451, 0.2141

Rectangle

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



34.4236, 0.4542, 0.3316



34.4236, 0.4476, 0.4256



34.4236, 0.1885, 0.3007



34.4236, 0.1886, 0.2203

Sweetspot

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



34.4254, 0.4542, 0.3316



76.0872, 0.3408, 0.3297



38.8337, 0.3202, 0.2101



15.6517, 0.3456, 0.3298



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.



34.4254, 0.4542, 0.3316



32.2385, 0.5009, 0.3320



54.3306, 0.4169, 0.3966



15.8016, 0.3293, 0.3295



10.2084, 0.6388, 0.3310



0.8642, 0.6356, 0.3335

Inverse Universe

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



72.7671, 0.2469, 0.3264



79.9254, 0.2383, 0.3258



42.9001, 0.2317, 0.2477



17.8804, 0.2981, 0.3286



36.2870, 0.2232, 0.3236



3.0333, 0.2234, 0.3243

Previews

White Background



This preview shows how the Yxy color 34.4236, 0.4542, 0.3316 looks on a white background.

Color Contrast Check

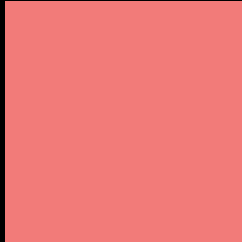
Large Text (above 18pt) WCAG AA × Fail

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 34.4236, 0.4542, 0.3316 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 34.4236, 0.4542, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 34.4236, 0.4542, 0.3316.



This preview shows how white text looks on a background with the Yxy color 34.4236, 0.4542, 0.3316.

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

34.4236, 0.4542, 0.3316

Protanopia

34.8467, 0.3401, 0.3600

Deuteranopia

34.4088, 0.3866, 0.3788



Tritanopia

34.5855, 0.4448, 0.3208

Trichromacy



Original Color

34.4236, 0.4542, 0.3316

Protanomaly

33.6930, 0.3791, 0.3481

Deuteranomaly

33.7677, 0.4120, 0.3585

Tritanomaly

34.5061, 0.4485, 0.3241

Monochromacy



Original Color

34.4236, 0.4542, 0.3316

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.1139, 0.3600, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4236, 0.4542, 0.3316 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(242, 123, 121)` looks like.

```
.text, #text, p{  
    color:rgb(242, 123, 121)  
}
```

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(242, 123, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 123, 121) }
```

Border

The CSS property to change the border of an element to Yxy 34.4236, 0.4542, 0.3316 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(242, 123, 121) }
```

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

```
.border{ border-color:rgb(242, 123, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 123, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 123, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 123, 121);  
box-shadow:4px 4px 4px 4px rgb(242, 123,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4236, 0.4542, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 123, 121) }
```

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

```
.background{ background-color: rgb(242,  
123, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor