

Converting Colors

$Y_{xy}(46.7039, 0.4333, 0.3736)$

Have a look what the booklet for
Yxy(46.7039, 0.4333, 0.3736)
contains.

Yxy(46.6336, 0.4326, 0.3734)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6336, 0.4326, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	F5A279
RGB	245, 162, 121
RGB Percent	96%, 64%, 47%
CMY	0.0392, 0.3647, 0.5257
CMYK	0.00, 0.34, 0.51, 0.04
HSL	20°, 86%, 72%
HSV	20°, 51%, 96%
XYZ	54.0270, 46.6336, 24.2285
YIQ	182.1430, 62.6290, 4.8450

Conversions

Conversions Part 2

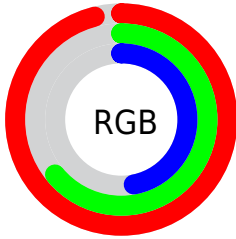
Format	Color
R _Y B	245, 182, 121
Decimal	16097913
CIE Lab	73.95, 26.45, 33.90
CIE LCh	74, 42.996, 52.038
Yxy	46.6336, 0.4326, 0.3734
Android (android.graphics.Color)	4294287993 (0xFFFF5A279)
YUV	182.1430, -30.1435, 55.1256
Hunter-Lab	68.2888, 21.7158, 26.7664

Details

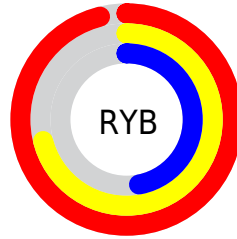
The Yxy color **46.6336, 0.4326, 0.3734** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.8195, 0.2367, 0.2772**, and the grayscale version is **47.0026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9417, 0.3721, 0.3733**, and **21.9340, 0.4641, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **40.7053, 0.4669, 0.3800**, and if you desaturate by 10%, it is **53.4720, 0.4015, 0.3651**.

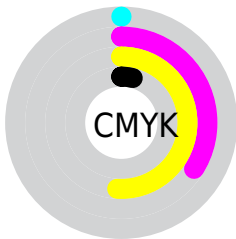
Distribution



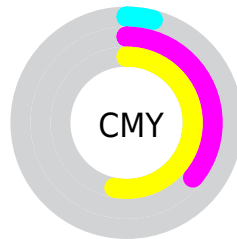
- Red (96%)
- Green (64%)
- Blue (47%)



- Red (96%)
- Yellow (71%)
- Blue (47%)



- Cyan (0%)
- Magenta (34%)
- Yellow (51%)
- Black (4%)




- Cyan (4%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6336, 0.4326, 0.3734 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 46.6336, 0.4326, 0.3734 by changing the saturation by 10% instead.


 46.6336, 0.4326,
0.3734


 46.6336, 0.4326,
0.3734


373.3501, 0.3726,
0.3545

 32.7461, 0.4472,
0.3769


 85.1664, 0.4110,
0.3674

 21.9320, 0.4655,
0.3806


 110.5806, 0.4028,
0.3649

 13.8069, 0.4890,
0.3841


 140.6057, 0.3959,
0.3627

 7.9865, 0.5198,
0.3864

175.6262, 0.3899,
0.3607

 4.0863, 0.5643,
0.3867

216.0265, 0.3847,
0.3589

 1.7220, 0.6244,
0.3756

262.1910, 0.3802,

 0.4378, 0.7118,

0.3573

0.2882

314.5041, 0.3762,
0.3559

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.6336, 0.4326,
0.3734

46.6336, 0.4326,
0.3734

40.7053, 0.4669,
0.3800

53.4720, 0.4015,
0.3651

35.6395, 0.5028,
0.3837

61.2515, 0.3741,
0.3560

31.3943, 0.5378,
0.3832


70.0099, 0.3506,
0.3468

27.9205, 0.5685,
0.3776

79.7809, 0.3306,
0.3379

 25.3097, 0.5914,
0.3686

 90.5964, 0.3137,
0.3295

 98.1535, 0.3066,
0.3290

Harmonies

Analogous

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



46.6336, 0.4169, 0.3270



46.6336, 0.4326, 0.3734



46.6336, 0.4127, 0.4148

Triad

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



46.6336, 0.4326, 0.3734



46.6336, 0.2541, 0.3790



46.6336, 0.2535, 0.2360

Complementary

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



46.6336, 0.4326, 0.3734



53.8195, 0.2367, 0.2772

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.



46.6336, 0.2180, 0.2403



46.6336, 0.4326, 0.3734



46.6336, 0.2178, 0.3173

Square

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



46.6336, 0.4326, 0.3734



46.6336, 0.3082, 0.4267



46.6336, 0.2056, 0.2674



46.6336, 0.3080, 0.2520

Rectangle

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



46.6336, 0.4326, 0.3734



46.6336, 0.3840, 0.4333



46.6336, 0.2056, 0.2674



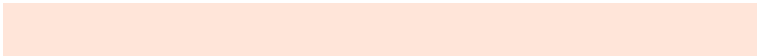
46.6336, 0.2393, 0.2351

Sweetspot

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



46.6359, 0.4326, 0.3734



82.5212, 0.3390, 0.3417



37.5206, 0.3572, 0.2411



17.1815, 0.3433, 0.3436



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.



46.6359, 0.4326, 0.3734



44.2783, 0.4687, 0.3803



73.1754, 0.3979, 0.4327



17.3783, 0.3285, 0.3369



13.8598, 0.5885, 0.3709



1.3988, 0.5642, 0.3902

Inverse Universe

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



53.8195, 0.2367, 0.2772



52.8588, 0.2236, 0.2642



30.5103, 0.2208, 0.1965



17.7797, 0.2980, 0.3210



18.1051, 0.1936, 0.2170



1.7791, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 46.6336, 0.4326, 0.3734 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 46.6336, 0.4326, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

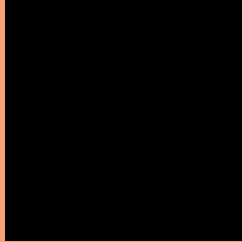
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6336, 0.4326, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 46.6336, 0.4326, 0.3734.



This preview shows how white text looks on a background with the Yxy color 46.6336, 0.4326, 0.3734.

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

46.6336, 0.4326, 0.3734

Protanopia

46.7766, 0.3691, 0.3973

Deuteranopia

46.6641, 0.4031, 0.3945



Tritanopia

46.7438, 0.3926, 0.3163

Trichromacy



Original Color

46.6336, 0.4326, 0.3734

Protanomaly

46.4624, 0.3918, 0.3887

Deuteranomaly

46.5995, 0.4129, 0.3867

Tritanomaly

46.6445, 0.4082, 0.3369

Monochromacy



Original Color

46.6336, 0.4326, 0.3734

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1771, 0.3530, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6336, 0.4326, 0.3734 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(245, 162, 121)` looks like.

```
.text, #text, p{  
    color:rgb(245, 162, 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(245, 162, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 162, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.6336, 0.4326, 0.3734 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(245, 162, 121) }
```

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

```
.border{ border-color:rgb(245, 162, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 162, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 162, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 162, 121);  
box-shadow:4px 4px 4px 4px rgb(245, 162,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6336, 0.4326, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 162, 121) }
```

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

```
.background{ background-color: rgb(245,  
162, 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