

Converting Colors

$Y_{xy}(55.8529, 0.4376, 0.4134)$

Have a look what the booklet for
Yxy(55.8529, 0.4376, 0.4134)
contains.

Yxy(55.9812, 0.4370, 0.4134)	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(55.9812, 0.4370, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	FAB966
RGB	250, 185, 102
RGB Percent	98%, 73%, 40%
CMY	0.0195, 0.2745, 0.6000
CMYK	0.00, 0.26, 0.59, 0.02
HSL	34°, 94%, 69%
HSV	34°, 59%, 98%
XYZ	59.1770, 55.9812, 20.2583
YIQ	194.9730, 65.3830, -12.0330

Conversions

Conversions Part 2

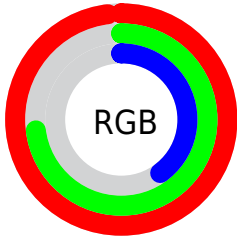
Format	Color
R _Y B	218, 250, 102
Decimal	16431462
CIE Lab	79.60, 14.87, 50.66
CIE LCh	80, 52.792, 73.645
Yxy	55.9812, 0.4370, 0.4134
Android (android.graphics.Color)	4294621542 (0xFFFA966)
YUV	194.9730, -45.8357, 48.2587
Hunter-Lab	74.8206, 10.2430, 36.3211

Details

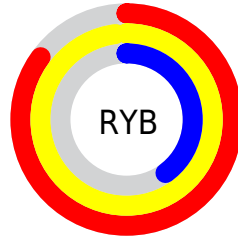
The Yxy color **55.9812, 0.4370, 0.4134** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.3768, 0.2155, 0.2203**, and the grayscale version is **54.8079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5372, 0.3766, 0.4146**, and **27.6887, 0.4652, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **51.1411, 0.4621, 0.4227**, and if you desaturate by 10%, it is **61.3314, 0.4119, 0.4010**.

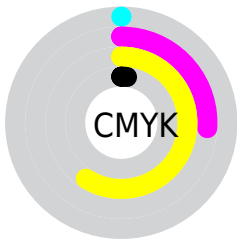
Distribution



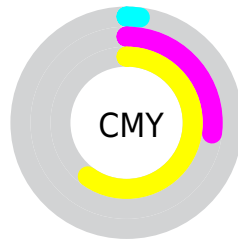
- Red (98%)
- Green (73%)
- Blue (40%)



- Red (85%)
- Yellow (98%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (59%)
- Black (2%)




- Cyan (2%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9812, 0.4370, 0.4134 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 55.9812, 0.4370, 0.4134 by changing the saturation by 10% instead.


 55.9812, 0.4370,
0.4134


 55.9812, 0.4370,
0.4134


409.6206, 0.3785,
0.3768

 40.1879, 0.4499,
0.4204


 98.9771, 0.4169,
0.4016

 27.6850, 0.4653,
0.4282


 126.9484, 0.4090,
0.3968

 18.0884, 0.4837,
0.4364


 159.7479, 0.4022,
0.3924

 11.0135, 0.5054,
0.4439

 197.7598, 0.3962,
0.3886

 6.0759, 0.5408,
0.4572

241.3687, 0.3910,
0.3852

 2.8913, 0.5564,
0.4436

290.9588, 0.3863,

 1.0752, 0.5813,

0.3821

0.4187

346.9147, 0.3822,
0.3793

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9812, 0.4370,
0.4134

■ 55.9812, 0.4370,
0.4134

■ 51.1411, 0.4621,
0.4227

■ 61.3314, 0.4119,
0.4010

■ 46.7809, 0.4858,
0.4276


■ 67.2033, 0.3880,
0.3868

■ 42.8786, 0.5067,
0.4272

■ 73.6181, 0.3657,
0.3717

■ 39.4006, 0.5240,
0.4216

■ 80.5931, 0.3455,
0.3566

 39.1379, 0.5254,
0.4210

 88.1444, 0.3275,
0.3419

 96.2876, 0.3115,
0.3279

 99.0675, 0.3096,
0.3290

Harmonies

Analogous

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



55.9812, 0.4502, 0.3630



55.9812, 0.4370, 0.4134



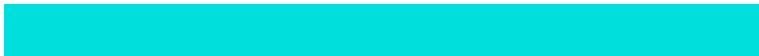
55.9812, 0.3900, 0.4499

Triad

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



55.9812, 0.4370, 0.4134



55.9812, 0.2131, 0.3342



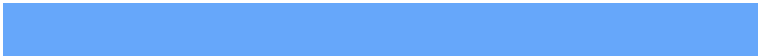
55.9812, 0.2877, 0.2347

Complementary

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



55.9812, 0.4370, 0.4134



37.3768, 0.2155, 0.2203

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.



55.9812, 0.2313, 0.2225



55.9812, 0.4370, 0.4134



55.9812, 0.1923, 0.2708

Square

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



55.9812, 0.4370, 0.4134



55.9812, 0.2605, 0.4063



55.9812, 0.1987, 0.2334



55.9812, 0.3583, 0.2662

Rectangle

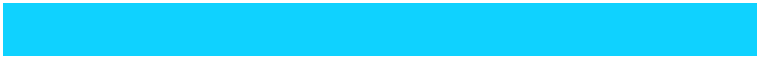
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9812, 0.4370, 0.4134



55.9812, 0.3477, 0.4563



55.9812, 0.1987, 0.2334



55.9812, 0.2666, 0.2283

Sweetspot

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



55.9840, 0.4370, 0.4134



85.1912, 0.3433, 0.3548



32.6819, 0.4107, 0.2616



17.7620, 0.3489, 0.3592



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.



55.9840, 0.4370, 0.4134



52.5948, 0.4667, 0.4239



88.3295, 0.3916, 0.4711



18.8399, 0.3280, 0.3423



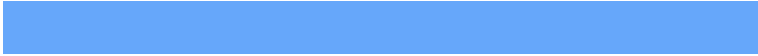
21.0482, 0.5232, 0.4228



2.1606, 0.5073, 0.4354

Inverse Universe

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



37.3768, 0.2155, 0.2203



31.6156, 0.1985, 0.1940



19.6848, 0.2015, 0.1398



17.8978, 0.2979, 0.3153



9.8317, 0.1717, 0.1379



1.1177, 0.1780, 0.1609

Previews

White Background



This preview shows how the Yxy color 55.9812, 0.4370, 0.4134 looks on a white background.

Color Contrast Check

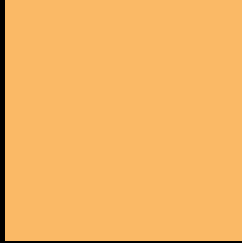
Large Text (above 18pt) WCAG AA × Fail

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 55.9812, 0.4370, 0.4134 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 55.9812, 0.4370, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 55.9812, 0.4370, 0.4134.



This preview shows how white text looks on a background with the Yxy color 55.9812, 0.4370, 0.4134.

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

55.9812, 0.4370, 0.4134

Protanopia

56.3342, 0.3983, 0.4339

Deuteranopia

55.9607, 0.4297, 0.4197



Tritanopia

55.9848, 0.3717, 0.3156

Trichromacy



Original Color

55.9812, 0.4370, 0.4134

Protanomaly

55.9828, 0.4124, 0.4256

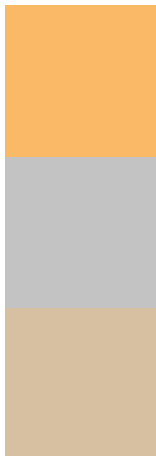
Deuteranomaly

56.0731, 0.4329, 0.4176

Tritanomaly

55.5572, 0.3980, 0.3525

Monochromacy



Original Color

55.9812, 0.4370, 0.4134

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.2819, 0.3569, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9812, 0.4370, 0.4134 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(250, 185, 102)` looks like.

```
.text, #text, p{  
    color:rgb(250, 185, 102)  
}
```

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(250, 185, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 185, 102) }
```

Border

The CSS property to change the border of an element to Yxy 55.9812, 0.4370, 0.4134 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(250, 185, 102) }
```

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

```
.border{ border-color:rgb(250, 185, 102) }
```

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

Here you see how a box with a 4 pixel rgb(250, 185, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 185, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 185, 102);  
box-shadow:4px 4px 4px 4px rgb(250, 185,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9812, 0.4370, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 185, 102) }
```

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

```
.background{ background-color: rgb(250,  
185, 102) }
```

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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