

Converting Colors

$Y_{xy}(56.8440, 0.4392, 0.4120)$

Have a look what the booklet for
Yxy(56.8440, 0.4392, 0.4120)
contains.

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Color

Yxy(56.7480, 0.4396, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	FEB967
RGB	254, 185, 103
RGB Percent	100%, 73%, 40%
CMY	0.0040, 0.2745, 0.5960
CMYK	0.00, 0.27, 0.59, 0.00
HSL	33°, 99%, 70%
HSV	33°, 59%, 100%
XYZ	60.6674, 56.7480, 20.5905
YIQ	196.2830, 67.4460, -10.8740

Conversions

Conversions Part 2

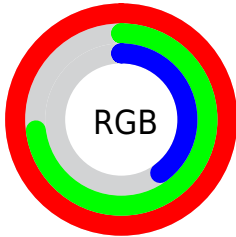
Format	Color
R _Y B	230, 254, 103
Decimal	16693607
CIE Lab	80.04, 16.55, 50.78
CIE LCh	80, 53.412, 71.953
Yxy	56.7480, 0.4396, 0.4112
Android (android.graphics.Color)	4294883687 (0xFFFE967)
YUV	196.2830, -45.9885, 50.6178
Hunter-Lab	75.3313, 11.9237, 36.5260

Details

The Yxy color **56.7480, 0.4396, 0.4112** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.5398, 0.2158, 0.2232**, and the grayscale version is **55.6339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5709, 0.3760, 0.4137**, and **28.2198, 0.4687, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **51.6568, 0.4655, 0.4200**, and if you desaturate by 10%, it is **62.3960, 0.4139, 0.3993**.

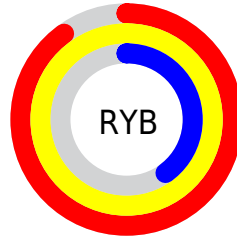
Distribution



Red (100%)

Green (73%)

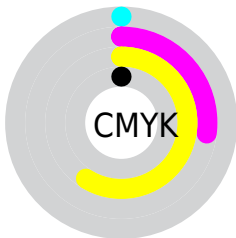
Blue (40%)



Red (90%)

Yellow (100%)

Blue (40%)

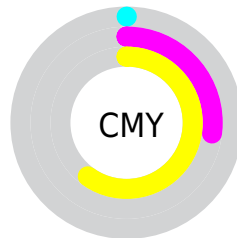


Cyan (0%)

Magenta (27%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7480, 0.4396, 0.4112 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 56.7480, 0.4396, 0.4112 by changing the saturation by 10% instead.


 56.7480, 0.4396,
0.4112

 56.7480, 0.4396,
0.4112


412.5044, 0.3799,
0.3760

 40.8030, 0.4527,
0.4179


 100.0974, 0.4191,
0.4000

 28.1651, 0.4684,
0.4251


 128.2705, 0.4111,
0.3953

 18.4502, 0.4872,
0.4327


 161.2885, 0.4041,
0.3911

 11.2737, 0.5095,
0.4394

 199.5357, 0.3980,
0.3874

 6.2512, 0.5445,
0.4505

243.3964, 0.3927,
0.3841

 2.9984, 0.5629,
0.4371

293.2552, 0.3879,

 1.1309, 0.5895,

0.3811

0.4105

349.4964, 0.3837,
0.3784

0.0042, 0.9899,
0.0101

0.0000, 0.0000,
0.0000

56.7480, 0.4396,
0.4112

56.7480, 0.4396,
0.4112

51.6568, 0.4655,
0.4200

62.3960, 0.4139,
0.3993

47.0900, 0.4900,
0.4244

68.6141, 0.3893,
0.3855

43.0233, 0.5118,
0.4234

75.4253, 0.3667,
0.3708

39.4201, 0.5297,
0.4172

82.8486, 0.3462,
0.3561

■ 39.2307, 0.5307,
0.4168

■ 90.9018, 0.3280,
0.3418

99.5759, 0.3121,
0.3287

99.8085, 0.3121,
0.3290

Harmonies

Analogous

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



56.7480, 0.4506, 0.3602



56.7480, 0.4396, 0.4112



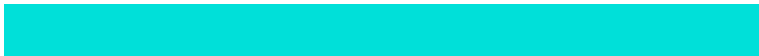
56.7480, 0.3938, 0.4494

Triad

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



56.7480, 0.4396, 0.4112



56.7480, 0.2145, 0.3383



56.7480, 0.2837, 0.2329

Complementary

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



56.7480, 0.4396, 0.4112



39.5398, 0.2158, 0.2232

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.



56.7480, 0.2282, 0.2218



56.7480, 0.4396, 0.4112



56.7480, 0.1920, 0.2733

Square

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



56.7480, 0.4396, 0.4112



56.7480, 0.2635, 0.4106



56.7480, 0.1969, 0.2342



56.7480, 0.3545, 0.2636

Rectangle

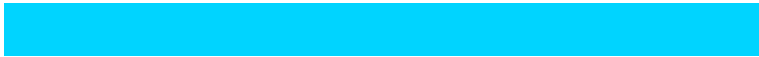
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7480, 0.4396, 0.4112



56.7480, 0.3517, 0.4575



56.7480, 0.1969, 0.2342



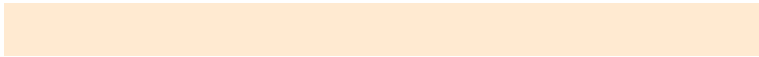
56.7480, 0.2628, 0.2268

Sweetspot

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



56.7508, 0.4396, 0.4112



84.7310, 0.3434, 0.3540



33.8067, 0.4082, 0.2589



17.6497, 0.3491, 0.3583



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.



56.7508, 0.4396, 0.4112



51.3670, 0.4695, 0.4210



91.9868, 0.3936, 0.4706



19.6219, 0.3281, 0.3419



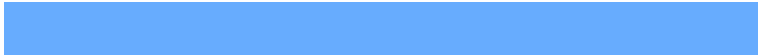
20.9841, 0.5284, 0.4186



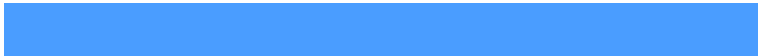
2.2617, 0.5125, 0.4312

Inverse Universe

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



39.5398, 0.2158, 0.2232



32.6750, 0.1995, 0.1984



20.0488, 0.1994, 0.1382



18.7450, 0.2979, 0.3157



10.6501, 0.1731, 0.1433



1.2522, 0.1791, 0.1648

Previews

White Background



This preview shows how the Yxy color 56.7480, 0.4396, 0.4112 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 56.7480, 0.4396, 0.4112 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 56.7480, 0.4396, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 56.7480, 0.4396, 0.4112.



This preview shows how white text looks on a background with the Yxy color 56.7480, 0.4396, 0.4112.

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

56.7480, 0.4396, 0.4112

Protanopia

56.9896, 0.3973, 0.4325

Deuteranopia

56.5876, 0.4291, 0.4194



Tritanopia

56.8185, 0.3703, 0.3166

Trichromacy



Original Color

56.7480, 0.4396, 0.4112

Protanomaly

56.7800, 0.4128, 0.4249

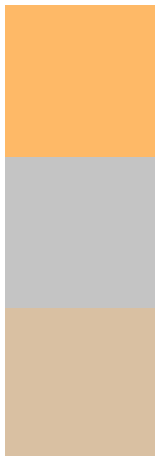
Deuteranomaly

56.8822, 0.4332, 0.4170

Tritanomaly

56.7764, 0.3980, 0.3534

Monochromacy



Original Color

56.7480, 0.4396, 0.4112

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.0596, 0.3575, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7480, 0.4396, 0.4112 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(254, 185, 103)` looks like.

```
.text, #text, p{  
    color:rgb(254, 185, 103)  
}
```

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(254, 185, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 185, 103) }
```

Border

The CSS property to change the border of an element to Yxy 56.7480, 0.4396, 0.4112 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(254, 185, 103) }
```

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

```
.border{ border-color:rgb(254, 185, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 185, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 185, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 185, 103);  
box-shadow:4px 4px 4px 4px rgb(254, 185,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7480, 0.4396, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 185, 103) }
```

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

```
.background{ background-color: rgb(254,  
185, 103) }
```

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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