

Converting Colors

$Yxy(65.9893, 0.4798, 0.3946)$

Have a look what the booklet for
Yxy(65.9893, 0.4798, 0.3946)
contains.

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Color

Yxy(55.6752, 0.4433, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	FFB666
RGB	255, 182, 102
RGB Percent	100%, 71%, 40%
CMY	0.0000, 0.2863, 0.5999
CMYK	0.00, 0.29, 0.60, 0.00
HSL	31°, 100%, 70%
HSV	31°, 60%, 100%
XYZ	60.3738, 55.6752, 20.1428
YIQ	194.7070, 69.1880, -9.4040

Conversions

Conversions Part 2

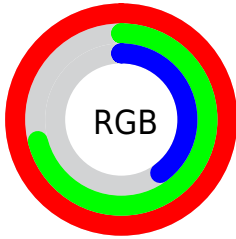
Format	Color
R_{YB}	242, 255, 102
Decimal	16758374
CIE _{Lab}	79.43, 18.48, 50.57
CIE _{LCh}	79, 53.842, 69.930
Yxy	55.6752, 0.4433, 0.4088
Android (android.graphics.Color)	4294948454 (0xFFFFB666)
YUV	194.7070, -45.7046, 52.8770
Hunter-Lab	74.6158, 13.8518, 36.2256

Details

The Yxy color **55.6752, 0.4433, 0.4088** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.7217, 0.2159, 0.2262**, and the grayscale version is **54.6354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7756, 0.3777, 0.4120**, and **27.5416, 0.4739, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **50.4729, 0.4701, 0.4169**, and if you desaturate by 10%, it is **61.4632, 0.4167, 0.3975**.

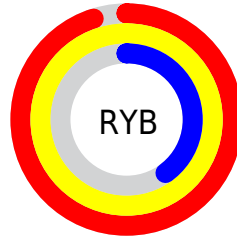
Distribution



Red (100%)

Green (71%)

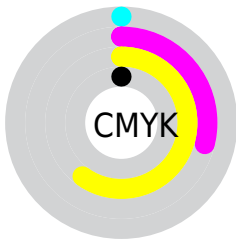
Blue (40%)



Red (95%)

Yellow (100%)

Blue (40%)

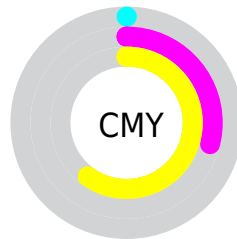


Cyan (0%)

Magenta (29%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6752, 0.4433, 0.4088 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 55.6752, 0.4433, 0.4088 by changing the saturation by 10% instead.


 55.6752, 0.4433,
0.4088


 55.6752, 0.4433,
0.4088

408.4663, 0.3816,
0.3749


 39.9426, 0.4569,
0.4151


 98.5295, 0.4221,
0.3981

 27.4938, 0.4733,
0.4219


 126.4200, 0.4137,
0.3936

 17.9444, 0.4929,
0.4287


 159.1319, 0.4065,
0.3895

 10.9101, 0.5163,
0.4344

 197.0496, 0.4002,
0.3860

 6.0064, 0.5542,
0.4449

240.5575, 0.3947,
0.3827

 2.8490, 0.5724,
0.4276

290.0400, 0.3898,

 1.0534, 0.6027,

0.3799

345.8815, 0.3855,
0.3773

0.3973

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.6752, 0.4433,
0.4088

55.6752, 0.4433,
0.4088

50.4729, 0.4701,
0.4169

61.4632, 0.4167,
0.3975

45.8352, 0.4956,
0.4206

67.8651, 0.3915,
0.3843

41.7315, 0.5181,
0.4188

74.9011, 0.3683,
0.3701

38.1212, 0.5368,
0.4120

82.5915, 0.3474,
0.3559

■ 38.1167, 0.5368,
0.4120

■ 90.9558, 0.3289,
0.3421

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



55.6752, 0.4518, 0.3567



55.6752, 0.4433, 0.4088



55.6752, 0.3986, 0.4492

Triad

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



55.6752, 0.4433, 0.4088



55.6752, 0.2157, 0.3434



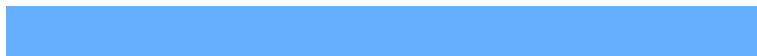
55.6752, 0.2788, 0.2303

Complementary

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



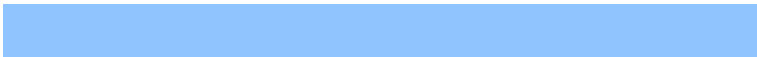
55.6752, 0.4433, 0.4088



40.7217, 0.2159, 0.2262

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.



55.6752, 0.2242, 0.2206



55.6752, 0.4433, 0.4088



55.6752, 0.1911, 0.2762

Square

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



55.6752, 0.4433, 0.4088



55.6752, 0.2669, 0.4162



55.6752, 0.1943, 0.2347



55.6752, 0.3501, 0.2601

Rectangle

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



55.6752, 0.4433, 0.4088



55.6752, 0.3566, 0.4595



55.6752, 0.1943, 0.2347



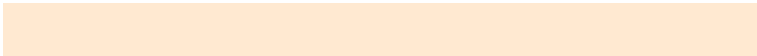
55.6752, 0.2581, 0.2246

Sweetspot

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



55.6736, 0.4433, 0.4088



84.1992, 0.3436, 0.3531



33.9026, 0.4063, 0.2559



17.5201, 0.3493, 0.3572



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.



55.6736, 0.4433, 0.4088



49.4949, 0.4754, 0.4181



93.2596, 0.3960, 0.4706



19.5584, 0.3281, 0.3414



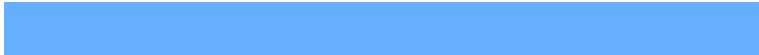
20.2180, 0.5344, 0.4139



2.1874, 0.5177, 0.4272

Inverse Universe

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



40.7217, 0.2159, 0.2262



33.3798, 0.1996, 0.2014



19.7073, 0.1969, 0.1357



18.8080, 0.2979, 0.3162



11.3022, 0.1750, 0.1499



1.3176, 0.1808, 0.1710

Previews

White Background



This preview shows how the Yxy color 55.6752, 0.4433, 0.4088 looks on a white background.

Color Contrast Check

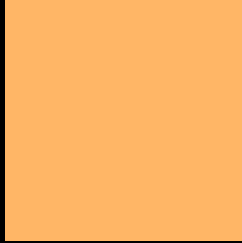
Large Text (above 18pt) WCAG AA × Fail

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 55.6752, 0.4433, 0.4088 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 55.6752, 0.4433, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 55.6752, 0.4433, 0.4088.



This preview shows how white text looks on a background with the Yxy color 55.6752, 0.4433, 0.4088.

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

55.6752, 0.4433, 0.4088

Protanopia

55.7458, 0.3973, 0.4323

Deuteranopia

55.7833, 0.4288, 0.4200



Tritanopia

55.5078, 0.3738, 0.3166

Trichromacy



Original Color

55.6752, 0.4433, 0.4088

Protanomaly

55.7081, 0.4139, 0.4242

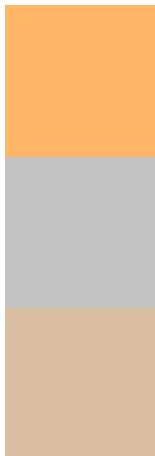
Deuteranomaly

55.8316, 0.4344, 0.4163

Tritanomaly

55.5011, 0.4010, 0.3524

Monochromacy



Original Color

55.6752, 0.4433, 0.4088

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.1518, 0.3589, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6752, 0.4433, 0.4088 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(255, 182, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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(255, 182, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 102) }
```

Border

The CSS property to change the border of an element to Yxy 55.6752, 0.4433, 0.4088 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(255, 182, 102) }
```

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

```
.border{ border-color:rgb(255, 182, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6752, 0.4433, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 102) }
```

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

```
.background{ background-color: rgb(255,  
182, 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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