

Converting Colors

$Yxy(55.7543, 0.4385, 0.4029)$

Have a look what the booklet for
Yxy(55.7543, 0.4385, 0.4029)
contains.

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Color

Yxy(55.8200, 0.4382, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	FFB66D
RGB	255, 182, 109
RGB Percent	100%, 71%, 43%
CMY	0.0000, 0.2862, 0.5726
CMYK	0.00, 0.29, 0.57, 0.00
HSL	30°, 100%, 71%
HSV	30°, 57%, 100%
XYZ	60.7257, 55.8200, 22.0342
YIQ	195.5050, 66.9410, -7.2270

Conversions

Conversions Part 2

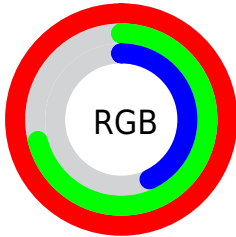
Format	Color
R _Y B	255, 255, 109
Decimal	16758381
CIE Lab	79.51, 18.95, 47.25
CIE LCh	80, 50.914, 68.144
Yxy	55.8200, 0.4382, 0.4028
Android (android.graphics.Color)	4294948461 (0xFFFFB66D)
YUV	195.5050, -42.6470, 52.1771
Hunter-Lab	74.7128, 14.3355, 34.8132

Details

The Yxy color **55.8200, 0.4382, 0.4028** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.9086, 0.2209, 0.2362**, and the grayscale version is **55.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0177, 0.3734, 0.4052**, and **27.6184, 0.4677, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **50.3656, 0.4661, 0.4114**, and if you desaturate by 10%, it is **61.9143, 0.4111, 0.3914**.

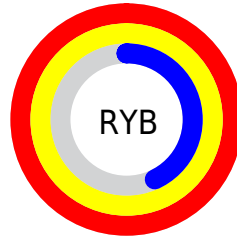
Distribution



Red (100%)

Green (71%)

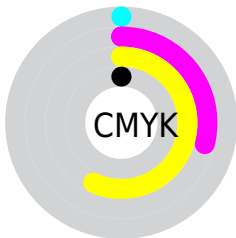
Blue (43%)



Red (100%)

Yellow (100%)

Blue (43%)

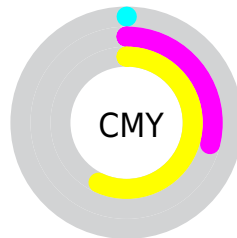


Cyan (0%)

Magenta (29%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8200, 0.4382, 0.4028 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 55.8200, 0.4382, 0.4028 by changing the saturation by 10% instead.


 55.8200, 0.4382,
0.4028


 55.8200, 0.4382,
0.4028


409.0128, 0.3785,
0.3712

 40.0586, 0.4516,
0.4088


 98.7413, 0.4175,
0.3927

 27.5843, 0.4678,
0.4153


 126.6701, 0.4095,
0.3885

 18.0125, 0.4875,
0.4221


 159.4235, 0.4025,
0.3848

 10.9590, 0.5114,
0.4281

 197.3858, 0.3964,
0.3815

 6.0392, 0.5461,
0.4356

240.9415, 0.3911,
0.3785

 2.8690, 0.5743,
0.4257

290.4750, 0.3864,

 1.0637, 0.6050,

0.3758

0.3950

346.3706, 0.3823,
0.3734

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.8200, 0.4382,
0.4028

55.8200, 0.4382,
0.4028

50.3656, 0.4661,
0.4114

61.9143, 0.4111,
0.3914

45.5160, 0.4932,
0.4159

68.6649, 0.3858,
0.3783

41.2442, 0.5179,
0.4152

76.0976, 0.3628,
0.3647

37.5148, 0.5384,
0.4089

84.2338, 0.3423,
0.3511

■ 36.5780, 0.5436,
0.4066

■ 93.0941, 0.3243,
0.3380

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



55.8200, 0.4433, 0.3531



55.8200, 0.4382, 0.4028



55.8200, 0.3979, 0.4415

Triad

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



55.8200, 0.4382, 0.4028



55.8200, 0.2230, 0.3471



55.8200, 0.2771, 0.2338

Complementary

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



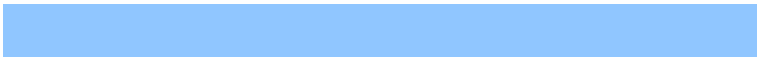
55.8200, 0.4382, 0.4028



43.9086, 0.2209, 0.2362

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.



55.8200, 0.2262, 0.2259



55.8200, 0.4382, 0.4028



55.8200, 0.1976, 0.2826

Square

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



55.8200, 0.4382, 0.4028



55.8200, 0.2731, 0.4143



55.8200, 0.1990, 0.2412



55.8200, 0.3441, 0.2613

Rectangle

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



55.8200, 0.4382, 0.4028



55.8200, 0.3587, 0.4519



55.8200, 0.1990, 0.2412



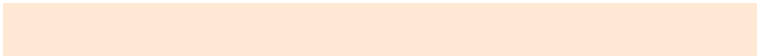
55.8200, 0.2578, 0.2288

Sweetspot

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



55.8228, 0.4382, 0.4028



84.4621, 0.3418, 0.3508



35.5678, 0.3970, 0.2560



17.7154, 0.3457, 0.3535



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.



55.8228, 0.4382, 0.4028



49.4831, 0.4709, 0.4125



93.8790, 0.3948, 0.4647



19.4883, 0.3282, 0.3409



19.4124, 0.5410, 0.4086



2.1085, 0.5234, 0.4226

Inverse Universe

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



43.9086, 0.2209, 0.2362



36.5197, 0.2047, 0.2130



21.4013, 0.2010, 0.1442



18.8779, 0.2979, 0.3168



12.0640, 0.1770, 0.1573



1.3930, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 55.8200, 0.4382, 0.4028 looks on a white background.

Color Contrast Check

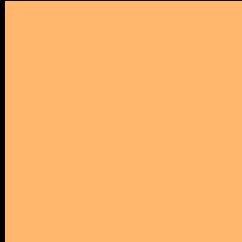
Large Text (above 18pt) WCAG AA × Fail

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 55.8200, 0.4382, 0.4028 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 55.8200, 0.4382, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 55.8200, 0.4382, 0.4028.



This preview shows how white text looks on a background with the Yxy color 55.8200, 0.4382, 0.4028.

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

55.8200, 0.4382, 0.4028

Protanopia

55.7463, 0.3916, 0.4254

Deuteranopia

55.7499, 0.4230, 0.4140



Tritanopia

55.8985, 0.3736, 0.3177

Trichromacy



Original Color

55.8200, 0.4382, 0.4028

Protanomaly

55.6921, 0.4081, 0.4178

Deuteranomaly

55.7934, 0.4286, 0.4104

Tritanomaly

55.6040, 0.3983, 0.3492

Monochromacy



Original Color

55.8200, 0.4382, 0.4028

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

54.6937, 0.3561, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8200, 0.4382, 0.4028 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 109) }
```

Border

The CSS property to change the border of an element to Yxy 55.8200, 0.4382, 0.4028 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, 109) }
```

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

```
.border{ border-color:rgb(255, 182, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8200, 0.4382, 0.4028 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, 109) }
```

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

```
.background{ background-color: rgb(255,  
182, 109) }
```

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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