

Converting Colors

$Y_{xy}(55.0044, 0.4503, 0.4209)$

Have a look what the booklet for
Yxy(55.0044, 0.4503, 0.4209)
contains.

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Color

Yxy(54.8559, 0.4503, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	FCB658
RGB	252, 182, 88
RGB Percent	99%, 71%, 35%
CMY	0.0118, 0.2862, 0.6551
CMYK	0.00, 0.28, 0.65, 0.01
HSL	34°, 96%, 67%
HSV	34°, 65%, 99%
XYZ	58.6319, 54.8559, 16.7185
YIQ	192.2140, 71.8940, -14.3940

Conversions

Conversions Part 2

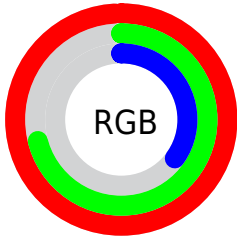
Format	Color
R _Y B	210, 252, 88
Decimal	16561752
CIE Lab	78.96, 16.33, 56.62
CIE LCh	79, 58.932, 73.913
Yxy	54.8559, 0.4503, 0.4213
Android (android.graphics.Color)	4294751832 (0xFFFCB658)
YUV	192.2140, -51.3775, 52.4323
Hunter-Lab	74.0648, 11.6926, 38.4619

Details

The Yxy color **54.8559, 0.4503, 0.4213** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.5316, 0.2060, 0.2043**, and the grayscale version is **53.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3322, 0.3862, 0.4251**, and **26.8982, 0.4799, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **50.2748, 0.4742, 0.4284**, and if you desaturate by 10%, it is **59.9247, 0.4256, 0.4104**.

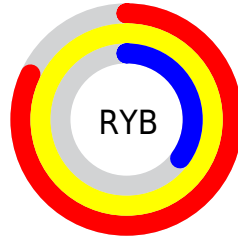
Distribution



Red (99%)

Green (71%)

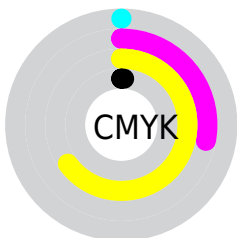
Blue (35%)



Red (82%)

Yellow (99%)

Blue (35%)

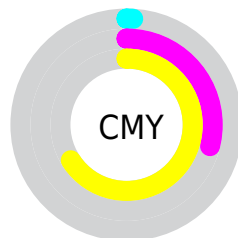


Cyan (0%)

Magenta (28%)

Yellow (65%)

Black (1%)



Cyan (1%)


Magenta (29%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8559, 0.4503, 0.4213 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 54.8559, 0.4503, 0.4213 by changing the saturation by 10% instead.


 54.8559, 0.4503,
0.4213

 54.8559, 0.4503,
0.4213


405.3655, 0.3861,
0.3823

 39.2864, 0.4640,
0.4283

 97.3298, 0.4286,
0.4091

 26.9826, 0.4801,
0.4357


 125.0029, 0.4199,
0.4039

 17.5601, 0.4989,
0.4428


 157.4794, 0.4124,
0.3993

 10.6347, 0.5205,
0.4484

 195.1436, 0.4058,
0.3951

 5.8217, 0.5478,
0.4522

238.3799, 0.4000,
0.3914

 2.7370, 0.5641,
0.4359

287.5727, 0.3949,

 0.9960, 0.5922,

0.3881

0.4078

343.1064, 0.3903,
0.3850

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8559, 0.4503,
0.4213

■ 54.8559, 0.4503,
0.4213

■ 50.2748, 0.4742,
0.4284

■ 59.9247, 0.4256,
0.4104

■ 46.1502, 0.4958,
0.4305


■ 65.4938, 0.4013,
0.3968


■ 42.4578, 0.5139,
0.4271


■ 71.5849, 0.3782,
0.3818

■ 40.7901, 0.5217,
0.4240

■ 78.2155, 0.3570,
0.3663

 85.4022, 0.3378,
0.3510

 93.1605, 0.3207,
0.3362

 99.4349, 0.3109,
0.3290

Harmonies

Analogous

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



54.8559, 0.4668, 0.3652



54.8559, 0.4503, 0.4213



54.8559, 0.3968, 0.4640

Triad

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



54.8559, 0.4503, 0.4213



54.8559, 0.2016, 0.3331



54.8559, 0.2849, 0.2253

Complementary

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



54.8559, 0.4503, 0.4213



33.5316, 0.2060, 0.2043

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.



54.8559, 0.2226, 0.2115



54.8559, 0.4503, 0.4213



54.8559, 0.1797, 0.2625

Square

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



54.8559, 0.4503, 0.4213



54.8559, 0.2531, 0.4162



54.8559, 0.1871, 0.2224



54.8559, 0.3641, 0.2597

Rectangle

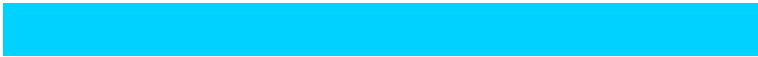
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.8559, 0.4503, 0.4213



54.8559, 0.3496, 0.4728



54.8559, 0.1871, 0.2224



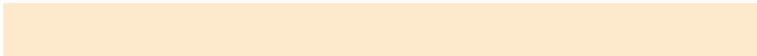
54.8559, 0.2615, 0.2182

Sweetspot

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



54.8586, 0.4503, 0.4213



84.0347, 0.3470, 0.3584



30.1702, 0.4298, 0.2599



17.5471, 0.3525, 0.3628



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.



54.8586, 0.4503, 0.4213



50.3503, 0.4808, 0.4296



89.0343, 0.3950, 0.4827



18.8778, 0.3280, 0.3426



21.5471, 0.5195, 0.4257



2.2059, 0.5042, 0.4378

Inverse Universe

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



33.5316, 0.2060, 0.2043



27.1001, 0.1889, 0.1753



16.6450, 0.1915, 0.1217



17.8605, 0.2979, 0.3150



9.4724, 0.1706, 0.1340



1.0827, 0.1770, 0.1571

Previews

White Background



This preview shows how the Yxy color 54.8559, 0.4503, 0.4213 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 54.8559, 0.4503, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

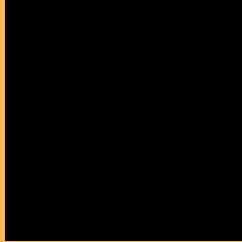
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8559, 0.4503, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 54.8559, 0.4503, 0.4213.



This preview shows how white text looks on a background with the Yxy color 54.8559, 0.4503, 0.4213.

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

54.8559, 0.4503, 0.4213

Protanopia

55.0043, 0.4076, 0.4458

Deuteranopia

54.8606, 0.4403, 0.4295



Tritanopia

54.6499, 0.3762, 0.3166

Trichromacy



Original Color

54.8559, 0.4503, 0.4213

Protanomaly

54.8399, 0.4229, 0.4364

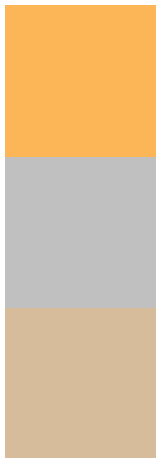
Deuteranomaly

54.9789, 0.4436, 0.4273

Tritanomaly

54.3235, 0.4064, 0.3567

Monochromacy



Original Color

54.8559, 0.4503, 0.4213

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.5957, 0.3626, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8559, 0.4503, 0.4213 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(252, 182, 88)` looks like.

```
.text, #text, p{  
    color:rgb(252, 182, 88)  
}
```

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(252, 182, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 182, 88) }
```

Border

The CSS property to change the border of an element to Yxy 54.8559, 0.4503, 0.4213 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(252, 182, 88) }
```

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

```
.border{ border-color:rgb(252, 182, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 182, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 182, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 182, 88);  
box-shadow:4px 4px 4px 4px rgb(252, 182,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8559, 0.4503, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 182, 88) }
```

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

```
.background{ background-color: rgb(252,  
182, 88) }
```

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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