

Converting Colors

Yxy(52.4043, 0.4596, 0.4186)

Have a look what the booklet for
Yxy(52.4043, 0.4596, 0.4186)
contains.

Yxy(52.5578, 0.4591, 0.4190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5578, 0.4591, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	FDB053
RGB	253, 176, 83
RGB Percent	99%, 69%, 33%
CMY	0.0079, 0.3097, 0.6745
CMYK	0.00, 0.30, 0.67, 0.01
HSL	33°, 98%, 66%
HSV	33°, 67%, 99%
XYZ	57.5878, 52.5578, 15.2907
YIQ	188.4210, 75.7450, -12.5990

Conversions

Conversions Part 2

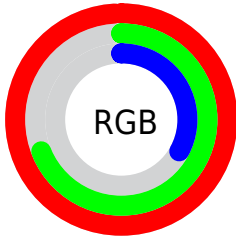
Format	Color
R _Y B	224, 253, 83
Decimal	16625747
CIE Lab	77.61, 19.59, 57.45
CIE LCh	78, 60.693, 71.173
Yxy	52.5578, 0.4591, 0.4190
Android (android.graphics.Color)	4294815827 (0xFFFD053)
YUV	188.4210, -51.9726, 56.6358
Hunter-Lab	72.4968, 14.9221, 38.2426

Details

The Yxy color **52.5578, 0.4591, 0.4190** 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 **34.0522, 0.2044, 0.2056**, and the grayscale version is **50.8116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7508, 0.3918, 0.4245**, and **25.4611, 0.4918, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **47.9343, 0.4839, 0.4246**, and if you desaturate by 10%, it is **57.7080, 0.4333, 0.4093**.

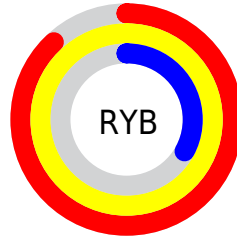
Distribution



Red (99%)

Green (69%)

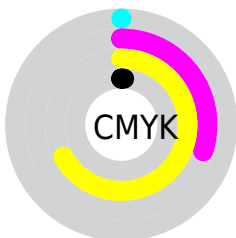
Blue (33%)



Red (88%)

Yellow (99%)

Blue (33%)

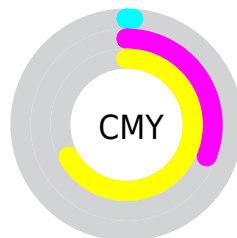


Cyan (0%)

Magenta (30%)

Yellow (67%)

Black (1%)



Cyan (1%)


Magenta (31%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5578, 0.4591, 0.4190 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 52.5578, 0.4591, 0.4190 by changing the saturation by 10% instead.


 52.5578, 0.4591,
0.4190


 52.5578, 0.4591,
0.4190

396.5863, 0.3904,
0.3817

 37.4499, 0.4738,
0.4254


 93.9534, 0.4358,
0.4076


 25.5560, 0.4911,
0.4318


 121.0098, 0.4265,
0.4026

 16.4918, 0.5112,
0.4373


 152.8178, 0.4184,
0.3982

 9.8728, 0.5355,
0.4414

 189.7619, 0.4114,
0.3942

 5.3147, 0.5613,
0.4387

 232.2264, 0.4052,
0.3906

 2.4331, 0.5817,
0.4183

280.5957, 0.3997,

 0.8428, 0.6173,

0.3873

0.3827

335.2542, 0.3948,
0.3844

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.5578, 0.4591,
0.4190

52.5578, 0.4591,
0.4190

47.9343, 0.4839,
0.4246

57.7080, 0.4333,
0.4093

43.8040, 0.5062,
0.4250

63.3998, 0.4079,
0.3968

40.1386, 0.5247,
0.4198

69.6569, 0.3839,
0.3826

39.1834, 0.5294,
0.4178

76.4987, 0.3618,
0.3678

■ 83.9435, 0.3419,
0.3530

■ 92.0084, 0.3241,
0.3388

99.6180, 0.3115,
0.3290

Harmonies

Analogous

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



52.5578, 0.4725, 0.3603



52.5578, 0.4591, 0.4190



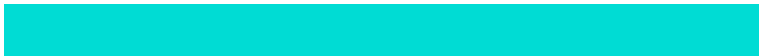
52.5578, 0.4058, 0.4665

Triad

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



52.5578, 0.4591, 0.4190



52.5578, 0.2007, 0.3409



52.5578, 0.2766, 0.2192

Complementary

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



52.5578, 0.4591, 0.4190



34.0522, 0.2044, 0.2056

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.



52.5578, 0.2145, 0.2071



52.5578, 0.4591, 0.4190



52.5578, 0.1755, 0.2648

Square

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



52.5578, 0.4591, 0.4190



52.5578, 0.2564, 0.4277



52.5578, 0.1806, 0.2206



52.5578, 0.3585, 0.2530

Rectangle

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



52.5578, 0.4591, 0.4190



52.5578, 0.3575, 0.4796



52.5578, 0.1806, 0.2206



52.5578, 0.2530, 0.2126

Sweetspot

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



52.5604, 0.4591, 0.4190



83.2827, 0.3472, 0.3571



29.6830, 0.4277, 0.2532



17.3668, 0.3528, 0.3613



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.



52.5604, 0.4591, 0.4190



47.1382, 0.4928, 0.4254



90.6897, 0.4006, 0.4835



19.6349, 0.3281, 0.3420



21.1441, 0.5272, 0.4196



2.2771, 0.5115, 0.4321

Inverse Universe

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



34.0522, 0.2044, 0.2056



27.1937, 0.1874, 0.1760



15.3823, 0.1847, 0.1141



18.7322, 0.2979, 0.3156



10.5218, 0.1728, 0.1420



1.2393, 0.1788, 0.1636

Previews

White Background



This preview shows how the Yxy color 52.5578, 0.4591, 0.4190 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 52.5578, 0.4591, 0.4190 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 52.5578, 0.4591, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 52.5578, 0.4591, 0.4190.



This preview shows how white text looks on a background with the Yxy color 52.5578, 0.4591, 0.4190.

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

52.5578, 0.4591, 0.4190

Protanopia

52.5500, 0.4091, 0.4474

Deuteranopia

52.6382, 0.4420, 0.4335



Tritanopia

52.5199, 0.3833, 0.3176

Trichromacy



Original Color

52.5578, 0.4591, 0.4190

Protanomaly

52.2837, 0.4280, 0.4367

Deuteranomaly

52.3064, 0.4481, 0.4277

Tritanomaly

52.2103, 0.4143, 0.3577

Monochromacy



Original Color

52.5578, 0.4591, 0.4190

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.4800, 0.3655, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5578, 0.4591, 0.4190 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(253, 176, 83)` looks like.

```
.text, #text, p{  
    color:rgb(253, 176, 83)  
}
```

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(253, 176, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 176, 83) }
```

Border

The CSS property to change the border of an element to Yxy 52.5578, 0.4591, 0.4190 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(253, 176, 83) }
```

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

```
.border{ border-color:rgb(253, 176, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 176, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 176, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 176, 83);  
box-shadow:4px 4px 4px 4px rgb(253, 176,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5578, 0.4591, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 176, 83) }
```

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

```
.background{ background-color: rgb(253,  
176, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor