

Converting Colors

$Y_{xy}(51.0270, 0.4542, 0.4288)$

Have a look what the booklet for
Yxy(51.0270, 0.4542, 0.4288)
contains.

Yxy(51.0208, 0.4543, 0.4293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.0208, 0.4543, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	F3B14C
RGB	243, 177, 76
RGB Percent	95%, 69%, 30%
CMY	0.0470, 0.3059, 0.7021
CMYK	0.00, 0.27, 0.69, 0.05
HSL	36°, 87%, 63%
HSV	36°, 69%, 95%
XYZ	53.9920, 51.0208, 13.8337
YIQ	185.2200, 71.7570, -17.4190

Conversions

Conversions Part 2

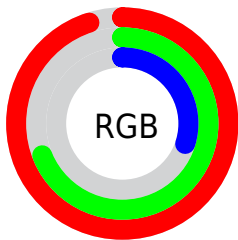
Format	Color
RYB	185, 243, 76
Decimal	15970636
CIELab	76.69, 14.56, 59.27
CIELCh	77, 61.032, 76.196
Yxy	51.0208, 0.4543, 0.4293
Android (android.graphics.Color)	4294160716 (0xFFFF3B14C)
YUV	185.2200, -53.8455, 50.6731
Hunter-Lab	71.4288, 9.9249, 38.5174

Details

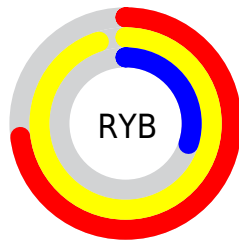
The Yxy color **51.0208, 0.4543, 0.4293** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **27.3486, 0.1992, 0.1889**, and the grayscale version is **48.9206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1228, 0.3955, 0.4316**, and **24.7782, 0.4844, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **47.0855, 0.4760, 0.4354**, and if you desaturate by 10%, it is **55.3558, 0.4311, 0.4189**.

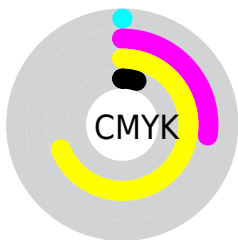
Distribution



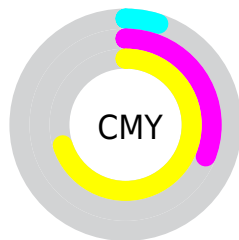
- Red (95%)
- Green (69%)
- Blue (30%)



- Red (73%)
- Yellow (95%)
- Blue (30%)



- Cyan (0%)
- Magenta (27%)
- Yellow (69%)
- Black (5%)




- Cyan (5%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0208, 0.4543, 0.4293 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 51.0208, 0.4543, 0.4293 by changing the saturation by 10% instead.


 51.0208, 0.4543,
0.4293

 51.0208, 0.4543,
0.4293

390.6446, 0.3882,
0.3866

 36.2252, 0.4682,
0.4369


 91.6855, 0.4320,
0.4160


 24.6081, 0.4844,
0.4447


 118.3234, 0.4231,
0.4103


 15.7854, 0.5028,
0.4519


 149.6775, 0.4153,
0.4052

 9.3724, 0.5265,
0.4598

 186.1321, 0.4085,
0.4007

 4.9849, 0.5443,
0.4557

 228.0718, 0.4025,
0.3966

 2.2384, 0.5608,
0.4392

275.8808, 0.3972,

 0.7408, 0.5929,

0.3929

0.4071

329.9436, 0.3925,
0.3896

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.0208, 0.4543,
0.4293

51.0208, 0.4543,
0.4293

47.0855, 0.4760,
0.4354

55.3558, 0.4311,
0.4189

43.5215, 0.4949,
0.4363


60.1010, 0.4077,
0.4055

40.3035, 0.5104,
0.4321


65.2754, 0.3851,
0.3902


39.9181, 0.5123,
0.4314

70.8941, 0.3638,
0.3741

 76.9713, 0.3442,
0.3579

 83.5204, 0.3266,
0.3421

 90.5540, 0.3108,
0.3272

 97.0533, 0.3054,
0.3278

 97.7974, 0.3054,
0.3290

Harmonies

Analogous

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



51.0208, 0.4761, 0.3705



51.0208, 0.4543, 0.4293



51.0208, 0.3952, 0.4738

Triad

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



51.0208, 0.4543, 0.4293



51.0208, 0.1926, 0.3262



51.0208, 0.2890, 0.2222

Complementary

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



51.0208, 0.4543, 0.4293



27.3486, 0.1992, 0.1889

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.



51.0208, 0.2218, 0.2059



51.0208, 0.4543, 0.4293



51.0208, 0.1725, 0.2538

Square

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



51.0208, 0.4543, 0.4293



51.0208, 0.2442, 0.4159



51.0208, 0.1826, 0.2148



51.0208, 0.3735, 0.2595

Rectangle

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



51.0208, 0.4543, 0.4293



51.0208, 0.3447, 0.4816



51.0208, 0.1826, 0.2148



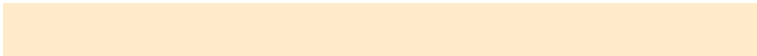
51.0208, 0.2638, 0.2142

Sweetspot

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



51.0233, 0.4543, 0.4293



84.2515, 0.3486, 0.3616



26.1989, 0.4480, 0.2638



17.6276, 0.3539, 0.3661



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.



51.0233, 0.4543, 0.4293



51.1010, 0.4829, 0.4363



80.8507, 0.3936, 0.4909



18.1503, 0.3278, 0.3433



22.1759, 0.5104, 0.4329



2.1492, 0.4959, 0.4444

Inverse Universe

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



27.3486, 0.1992, 0.1889



23.3766, 0.1821, 0.1579



13.9469, 0.1883, 0.1130



17.0012, 0.2980, 0.3143



8.3912, 0.1680, 0.1248



0.9320, 0.1749, 0.1495

Previews

White Background



This preview shows how the Yxy color 51.0208, 0.4543, 0.4293 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 51.0208, 0.4543, 0.4293 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 51.0208, 0.4543, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 51.0208, 0.4543, 0.4293.



This preview shows how white text looks on a background with the Yxy color 51.0208, 0.4543, 0.4293.

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

51.0208, 0.4543, 0.4293

Protanopia

51.2550, 0.4135, 0.4536

Deuteranopia

50.9834, 0.4463, 0.4361



Tritanopia

50.8511, 0.3794, 0.3153

Trichromacy



Original Color

51.0208, 0.4543, 0.4293

Protanomaly

50.9504, 0.4286, 0.4439

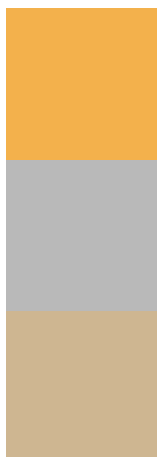
Deuteranomaly

51.0989, 0.4498, 0.4337

Tritanomaly

50.4766, 0.4104, 0.3595

Monochromacy



Original Color

51.0208, 0.4543, 0.4293

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6220, 0.3649, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0208, 0.4543, 0.4293 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(243, 177, 76)` looks like.

```
.text, #text, p{  
    color:rgb(243, 177, 76)  
}
```

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(243, 177, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 177, 76) }
```

Border

The CSS property to change the border of an element to Yxy 51.0208, 0.4543, 0.4293 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(243, 177, 76) }
```

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

```
.border{ border-color:rgb(243, 177, 76) }
```

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

Here you see how a box with a 4 pixel rgb(243, 177, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 177, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 177, 76);  
box-shadow:4px 4px 4px 4px rgb(243, 177,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0208, 0.4543, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 177, 76) }
```

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

```
.background{ background-color: rgb(243,  
177, 76) }
```

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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