

Converting Colors

Yxy(51.6436, 0.4700, 0.4369)

Have a look what the booklet for
Yxy(51.6436, 0.4700, 0.4369)
contains.

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Color

Yxy(51.4959, 0.4696, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	F9B03A
RGB	249, 176, 58
RGB Percent	98%, 69%, 23%
CMY	0.0236, 0.3097, 0.7727
CMYK	0.00, 0.29, 0.77, 0.02
HSL	37°, 94%, 60%
HSV	37°, 77%, 98%
XYZ	55.3501, 51.4959, 11.0205
YIQ	184.3750, 81.3860, -21.2220

Conversions

Conversions Part 2

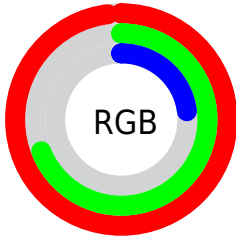
Format	Color
R _Y B	176, 249, 58
Decimal	16363578
CIE Lab	76.98, 16.77, 67.10
CIE LCh	77, 69.165, 75.968
Yxy	51.4959, 0.4696, 0.4369
Android (android.graphics.Color)	4294553658 (0xFFFF9B03A)
YUV	184.3750, -62.3029, 56.6761
Hunter-Lab	71.7606, 12.0988, 41.1271

Details

The Yxy color **51.4959, 0.4696, 0.4369** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **23.9508, 0.1875, 0.1667**, and the grayscale version is **48.4684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6041, 0.4054, 0.4433**, and **24.9801, 0.4943, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **47.7031, 0.4885, 0.4392**, and if you desaturate by 10%, it is **55.6775, 0.4481, 0.4296**.

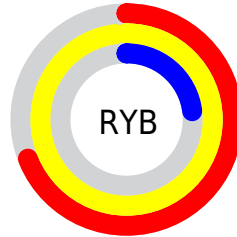
Distribution



Red (98%)

Green (69%)

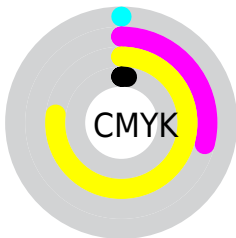
Blue (23%)



Red (69%)

Yellow (98%)

Blue (23%)

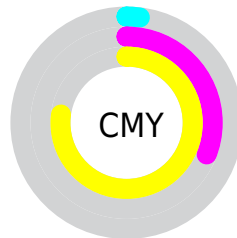


Cyan (0%)

Magenta (29%)

Yellow (77%)

Black (2%)



Cyan (2%)


Magenta (31%)


Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4959, 0.4696, 0.4369 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 51.4959, 0.4696, 0.4369 by changing the saturation by 10% instead.


 51.4959, 0.4696,
0.4369


 51.4959, 0.4696,
0.4369


392.4874, 0.3980,
0.3931

 36.6034, 0.4839,
0.4437


 92.3874, 0.4460,
0.4239

 24.9006, 0.5000,
0.4502


 119.1552, 0.4364,
0.4182

 16.0030, 0.5175,
0.4549

 150.6502, 0.4279,
0.4129

 9.5263, 0.5404,
0.4596

 187.2568, 0.4205,
0.4082

 5.0860, 0.5521,
0.4479

 229.3594, 0.4139,
0.4039

 2.2978, 0.5705,
0.4295

277.3425, 0.4080,

 0.7726, 0.6046,

0.3999

0.3954

331.5903, 0.4027,
0.3964

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.4959, 0.4696,
0.4369

51.4959, 0.4696,
0.4369

47.7031, 0.4885,
0.4392

55.6775, 0.4481,
0.4296

44.2665, 0.5040,
0.4361

60.2610, 0.4254,
0.4183


43.2058, 0.5086,
0.4343


65.2671, 0.4024,
0.4041


70.7126, 0.3803,
0.3883

 76.6126, 0.3595,
0.3717

 82.9817, 0.3405,
0.3552

 89.8331, 0.3232,
0.3393

 97.0405, 0.3091,
0.3262

 98.8761, 0.3090,
0.3290

Harmonies

Analogous

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



51.4959, 0.4959, 0.3714



51.4959, 0.4696, 0.4369



51.4959, 0.4027, 0.4903

Triad

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



51.4959, 0.4696, 0.4369



51.4959, 0.1793, 0.3251



51.4959, 0.2847, 0.2109

Complementary

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



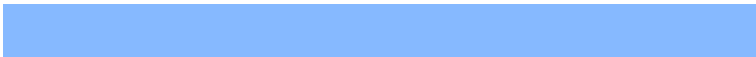
51.4959, 0.4696, 0.4369



23.9508, 0.1875, 0.1667

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.



51.4959, 0.2111, 0.1932



51.4959, 0.4696, 0.4369



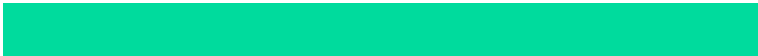
51.4959, 0.1581, 0.2441

Square

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



51.4959, 0.4696, 0.4369



51.4959, 0.2354, 0.4292



51.4959, 0.1691, 0.2023



51.4959, 0.3800, 0.2513

Rectangle

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



51.4959, 0.4696, 0.4369



51.4959, 0.3466, 0.5025



51.4959, 0.1691, 0.2023



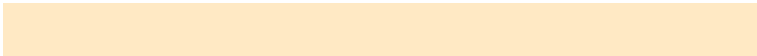
51.4959, 0.2568, 0.2023

Sweetspot

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



51.4985, 0.4696, 0.4369



83.3113, 0.3523, 0.3656



24.8027, 0.4781, 0.2654



17.3235, 0.3594, 0.3716



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.



51.4985, 0.4696, 0.4369



48.3622, 0.4973, 0.4381



84.3255, 0.3957, 0.5040



19.0118, 0.3278, 0.3436



23.4148, 0.5068, 0.4358



2.3734, 0.4935, 0.4463

Inverse Universe

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



23.9508, 0.1875, 0.1667



18.5275, 0.1717, 0.1329



11.5776, 0.1766, 0.0932



17.7298, 0.2979, 0.3139



8.3061, 0.1669, 0.1208



0.9670, 0.1735, 0.1444

Previews

White Background



This preview shows how the Yxy color 51.4959, 0.4696, 0.4369 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 51.4959, 0.4696, 0.4369 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 51.4959, 0.4696, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 51.4959, 0.4696, 0.4369.



This preview shows how white text looks on a background with the Yxy color 51.4959, 0.4696, 0.4369.

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

51.4959, 0.4696, 0.4369

Protanopia

51.7555, 0.4238, 0.4672

Deuteranopia

51.6840, 0.4576, 0.4477



Tritanopia

51.3446, 0.3862, 0.3166

Trichromacy



Original Color

51.4959, 0.4696, 0.4369

Protanomaly

51.6235, 0.4398, 0.4563

Deuteranomaly

51.5903, 0.4624, 0.4432

Tritanomaly

50.9798, 0.4237, 0.3661

Monochromacy



Original Color

51.4959, 0.4696, 0.4369

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2926, 0.3731, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4959, 0.4696, 0.4369 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(249, 176, 58)` looks like.

```
.text, #text, p{  
    color:rgb(249, 176, 58)  
}
```

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(249, 176, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 176, 58) }
```

Border

The CSS property to change the border of an element to Yxy 51.4959, 0.4696, 0.4369 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(249, 176, 58) }
```

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

```
.border{ border-color:rgb(249, 176, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 176, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 176, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 176, 58);  
box-shadow:4px 4px 4px 4px rgb(249, 176,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4959, 0.4696, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 176, 58) }
```

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

```
.background{ background-color: rgb(249,  
176, 58) }
```

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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