

Converting Colors

Yxy(51.0164, 0.4700, 0.4197)

Have a look what the booklet for
Yxy(51.0164, 0.4700, 0.4197)
contains.

Yxy(50.8938, 0.4700, 0.4191)	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(50.8938, 0.4700, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB4B
RGB	255, 171, 75
RGB Percent	100%, 67%, 29%
CMY	0.0000, 0.3294, 0.7060
CMYK	0.00, 0.33, 0.71, 0.00
HSL	32°, 100%, 65%
HSV	32°, 71%, 100%
XYZ	57.0749, 50.8938, 13.4672
YIQ	185.1720, 80.8800, -12.0480

Conversions

Conversions Part 2

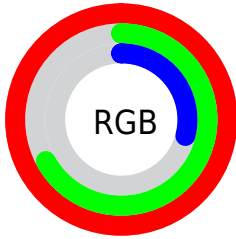
Format	Color
RYB	233, 255, 75
Decimal	16755531
CIELab	76.61, 22.63, 60.03
CIELCh	77, 64.156, 69.345
Yxy	50.8938, 0.4700, 0.4191
Android (android.graphics.Color)	4294945611 (0xFFFFAB4B)
YUV	185.1720, -54.3148, 61.2392
Hunter-Lab	71.3399, 17.9626, 38.7454

Details

The Yxy color **50.8938, 0.4700, 0.4191** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.5022, 0.2007, 0.2016**, and the grayscale version is **48.8898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2112, 0.3995, 0.4264**, and **24.5716, 0.5031, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **46.3182, 0.4948, 0.4227**, and if you desaturate by 10%, it is **56.0155, 0.4437, 0.4110**.

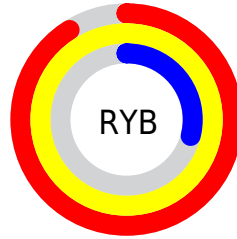
Distribution



Red (100%)

Green (67%)

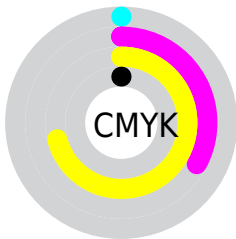
Blue (29%)



Red (91%)

Yellow (100%)

Blue (29%)

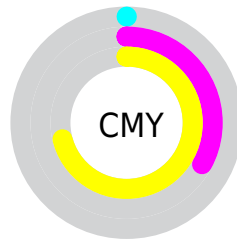


Cyan (0%)

Magenta (33%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8938, 0.4700, 0.4191 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 50.8938, 0.4700, 0.4191 by changing the saturation by 10% instead.


 50.8938, 0.4700,
0.4191


 50.8938, 0.4700,
0.4191


390.1510, 0.3962,
0.3828


 36.1241, 0.4857,
0.4248


 91.4978, 0.4450,
0.4084


 24.5301, 0.5039,
0.4300


 118.1008, 0.4350,
0.4036


 15.7273, 0.5249,
0.4338


 149.4171, 0.4264,
0.3993

 9.3314, 0.5527,
0.4372

 185.8311, 0.4188,
0.3953

 4.9580, 0.5739,
0.4261

 227.7270, 0.4121,
0.3917

 2.2226, 0.5980,
0.4020

275.4894, 0.4062,

 0.7323, 0.6427,

0.3885

0.3573

329.5026, 0.4009,
0.3855

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.8938, 0.4700,
0.4191

50.8938, 0.4700,
0.4191

46.3182, 0.4948,
0.4227

56.0155, 0.4437,
0.4110


42.2577, 0.5166,
0.4208

61.7060, 0.4175,
0.3996


38.8738, 0.5336,
0.4145


67.9889, 0.3925,
0.3862

74.8855, 0.3694,
0.3718

 82.4154, 0.3485,
0.3573

 90.5976, 0.3300,
0.3432

 99.4497, 0.3136,
0.3298

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



50.8938, 0.4822, 0.3570



50.8938, 0.4700, 0.4191



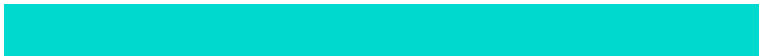
50.8938, 0.4147, 0.4723

Triad

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



50.8938, 0.4700, 0.4191



50.8938, 0.1964, 0.3469



50.8938, 0.2692, 0.2117

Complementary

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



50.8938, 0.4700, 0.4191



33.5022, 0.2007, 0.2016

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.



50.8938, 0.2057, 0.2003



50.8938, 0.4700, 0.4191



50.8938, 0.1685, 0.2639

Square

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



50.8938, 0.4700, 0.4191



50.8938, 0.2566, 0.4403



50.8938, 0.1722, 0.2158



50.8938, 0.3557, 0.2459

Rectangle

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



50.8938, 0.4700, 0.4191



50.8938, 0.3639, 0.4898



50.8938, 0.1722, 0.2158



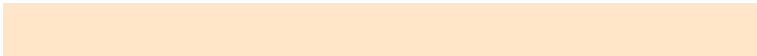
50.8938, 0.2448, 0.2052

Sweetspot

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



50.8946, 0.4700, 0.4191



82.0997, 0.3493, 0.3579



28.7918, 0.4367, 0.2514



17.1154, 0.3549, 0.3619



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.



50.8946, 0.4700, 0.4191



44.4688, 0.5048, 0.4226



92.1673, 0.4033, 0.4884



19.5916, 0.3281, 0.3417



20.6144, 0.5313, 0.4164



2.2260, 0.5150, 0.4293

Inverse Universe

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



33.5022, 0.2007, 0.2016



26.2133, 0.1845, 0.1718



13.9974, 0.1788, 0.1045



18.7750, 0.2979, 0.3160



10.9566, 0.1740, 0.1464



1.2830, 0.1799, 0.1678

Previews

White Background



This preview shows how the Yxy color 50.8938, 0.4700, 0.4191 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 50.8938, 0.4700, 0.4191 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 50.8938, 0.4700, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 50.8938, 0.4700, 0.4191.



This preview shows how white text looks on a background with the Yxy color 50.8938, 0.4700, 0.4191.

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

50.8938, 0.4700, 0.4191

Protanopia

51.2550, 0.4135, 0.4536

Deuteranopia

50.9433, 0.4480, 0.4382



Tritanopia

50.8669, 0.3894, 0.3187

Trichromacy



Original Color

50.8938, 0.4700, 0.4191

Protanomaly

50.7479, 0.4343, 0.4409

Deuteranomaly

50.9800, 0.4560, 0.4314

Tritanomaly

50.7324, 0.4228, 0.3596

Monochromacy



Original Color

50.8938, 0.4700, 0.4191

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3885, 0.3693, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8938, 0.4700, 0.4191 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, 171, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 75)  
}
```

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, 171, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 75) }
```

Border

The CSS property to change the border of an element to Yxy 50.8938, 0.4700, 0.4191 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, 171, 75) }
```

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

```
.border{ border-color:rgb(255, 171, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8938, 0.4700, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 75) }
```

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

```
.background{ background-color: rgb(255,  
171, 75) }
```

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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