

Converting Colors

Yxy(50.2854, 0.4830, 0.4319)

Have a look what the booklet for
Yxy(50.2854, 0.4830, 0.4319)
contains.

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Color

Yxy(50.2485, 0.4832, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA33
RGB	255, 170, 51
RGB Percent	100%, 67%, 20%
CMY	0.0001, 0.3332, 0.8002
CMYK	0.00, 0.33, 0.80, 0.00
HSL	35°, 100%, 60%
HSV	35°, 80%, 100%
XYZ	56.2039, 50.2485, 9.8636
YIQ	181.8490, 88.8590, -18.9890

Conversions

Conversions Part 2

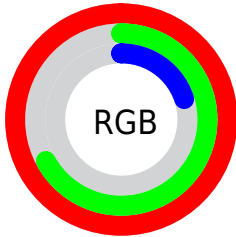
Format	Color
RYB	197, 255, 51
Decimal	16755251
CIELab	76.22, 22.17, 69.18
CIElCh	76, 72.644, 72.232
Yxy	50.2485, 0.4832, 0.4320
Android (android.graphics.Color)	4294945331 (0xFFFFAA33)
YUV	181.8490, -64.5086, 64.1534
Hunter-Lab	70.8862, 17.4774, 41.3703

Details

The Yxy color **50.2485, 0.4832, 0.4320** 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 **25.5038, 0.1859, 0.1681**, and the grayscale version is **47.0137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1720, 0.4120, 0.4432**, and **24.2943, 0.5088, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **46.2627, 0.5027, 0.4316**, and if you desaturate by 10%, it is **54.6840, 0.4608, 0.4270**.

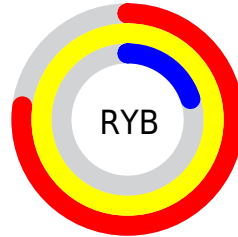
Distribution



Red (100%)

Green (67%)

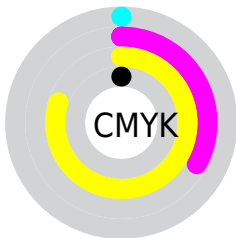
Blue (20%)



Red (77%)

Yellow (100%)

Blue (20%)

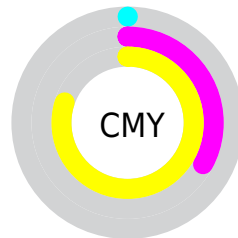


Cyan (0%)

Magenta (33%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2485, 0.4832, 0.4320 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 50.2485, 0.4832, 0.4320 by changing the saturation by 10% instead.


 50.2485, 0.4832,
0.4320


 50.2485, 0.4832,
0.4320

387.6369, 0.4053,
0.3922


 35.6109, 0.4987,
0.4374


 90.5430, 0.4576,
0.4209


 24.1338, 0.5161,
0.4417


 116.9686, 0.4471,
0.4157


 15.4329, 0.5352,
0.4437


 148.0924, 0.4379,
0.4109

 9.1238, 0.5575,
0.4425

 184.2986, 0.4298,
0.4065

 4.8220, 0.5730,
0.4270

 225.9719, 0.4226,
0.4024

 2.1432, 0.5971,
0.4029

 273.4964, 0.4162,

 0.6888, 0.6443,

0.3987

0.3557

327.2566, 0.4104,
0.3953

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2485, 0.4832,
0.4320

■ 50.2485, 0.4832,
0.4320

■ 46.2627, 0.5027,
0.4316


■ 54.6840, 0.4608,
0.4270


■ 42.6870, 0.5188,
0.4263

■ 59.5864, 0.4367,
0.4176

■ 64.9801, 0.4125,
0.4050

■ 70.8850, 0.3890,
0.3903

 77.3192, 0.3670,
0.3747

 84.2998, 0.3469,
0.3590

 91.8427, 0.3288,
0.3436

99.9632, 0.3127,
0.3290

99.9945, 0.3127,
0.3290

Harmonies

Analogous

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



50.2485, 0.5052, 0.3632



50.2485, 0.4832, 0.4320



50.2485, 0.4161, 0.4929

Triad

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



50.2485, 0.4832, 0.4320



50.2485, 0.1778, 0.3375



50.2485, 0.2715, 0.2018

Complementary

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



50.2485, 0.4832, 0.4320



25.5038, 0.1859, 0.1681

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.



50.2485, 0.1987, 0.1865



50.2485, 0.4832, 0.4320



50.2485, 0.1519, 0.2472

Square

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



50.2485, 0.4832, 0.4320



50.2485, 0.2402, 0.4485



50.2485, 0.1595, 0.1993



50.2485, 0.3707, 0.2410

Rectangle

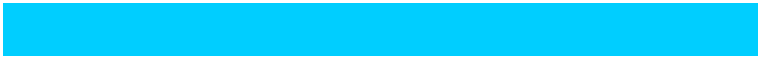
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2485, 0.4832, 0.4320



50.2485, 0.3583, 0.5128



50.2485, 0.1595, 0.1993



50.2485, 0.2436, 0.1939

Sweetspot

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



50.2511, 0.4832, 0.4320



81.4710, 0.3547, 0.3652



25.3953, 0.4783, 0.2592



16.9089, 0.3619, 0.3709



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.



50.2511, 0.4832, 0.4320



44.0867, 0.5126, 0.4288



89.9123, 0.4017, 0.5045



19.7486, 0.3280, 0.3429



22.6123, 0.5167, 0.4280



2.4175, 0.5025, 0.4392

Inverse Universe

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



25.5038, 0.1859, 0.1681



18.9036, 0.1715, 0.1351



10.8099, 0.1689, 0.0845



18.6204, 0.2979, 0.3147



9.4567, 0.1697, 0.1307



1.1305, 0.1758, 0.1529

Previews

White Background



This preview shows how the Yxy color 50.2485, 0.4832, 0.4320 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 50.2485, 0.4832, 0.4320 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 50.2485, 0.4832, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 50.2485, 0.4832, 0.4320.



This preview shows how white text looks on a background with the Yxy color 50.2485, 0.4832, 0.4320.

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

50.2485, 0.4832, 0.4320

Protanopia

50.5296, 0.4263, 0.4705

Deuteranopia

50.4500, 0.4615, 0.4516



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

50.2485, 0.4832, 0.4320

Protanomaly

50.0531, 0.4474, 0.4563

Deuteranomaly

50.4972, 0.4698, 0.4445

Tritanomaly

49.7552, 0.4323, 0.3667

Monochromacy



Original Color

50.2485, 0.4832, 0.4320

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1173, 0.3787, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2485, 0.4832, 0.4320 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, 170, 51)` looks like.

```
.text, #text, p{  
  color:rgb(255, 170, 51)  
}
```

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, 170, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 51) }
```

Border

The CSS property to change the border of an element to Yxy 50.2485, 0.4832, 0.4320 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, 170, 51) }
```

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

```
.border{ border-color:rgb(255, 170, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2485, 0.4832, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 51) }
```

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

```
.background{ background-color: rgb(255,  
170, 51) }
```

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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