

Converting Colors

$Yxy(50.7949, 0.4811, 0.4324)$

Have a look what the booklet for
Yxy(50.7949, 0.4811, 0.4324)
contains.

Yxy(50.6429, 0.4814, 0.4319)	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(50.6429, 0.4814, 0.4319)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB35
RGB	255, 171, 53
RGB Percent	100%, 67%, 21%
CMY	0.0000, 0.3294, 0.7922
CMYK	0.00, 0.33, 0.79, 0.00
HSL	35°, 100%, 60%
HSV	35°, 79%, 100%
XYZ	56.4471, 50.6429, 10.1661
YIQ	182.6640, 87.9420, -18.8900

Conversions

Conversions Part 2

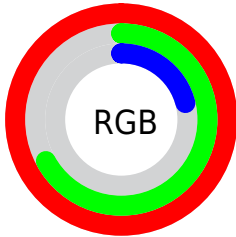
Format	Color
RYB	197, 255, 53
Decimal	16755509
CIELab	76.46, 21.74, 68.69
CIElCh	76, 72.042, 72.440
Yxy	50.6429, 0.4814, 0.4319
Android (android.graphics.Color)	4294945589 (0xFFFFAB35)
YUV	182.6640, -63.9244, 63.4387
Hunter-Lab	71.1638, 17.0493, 41.3448

Details

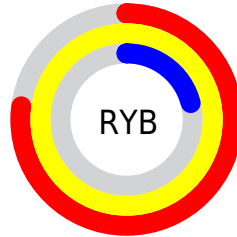
The Yxy color **50.6429, 0.4814, 0.4319** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.8631, 0.1867, 0.1697**, and the grayscale version is **47.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7568, 0.4104, 0.4424**, and **24.5311, 0.5074, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **46.6225, 0.5011, 0.4320**, and if you desaturate by 10%, it is **55.1122, 0.4588, 0.4265**.

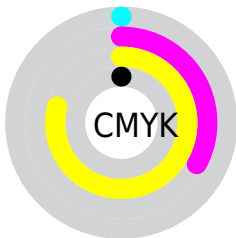
Distribution



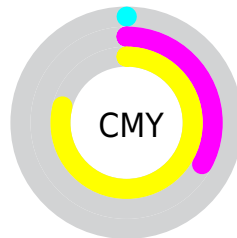
- Red (100%)
- Green (67%)
- Blue (21%)



- Red (77%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (33%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6429, 0.4814, 0.4319 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 50.6429, 0.4814, 0.4319 by changing the saturation by 10% instead.


 50.6429, 0.4814,
0.4319


 50.6429, 0.4814,
0.4319


389.1748, 0.4043,
0.3919


 35.9245, 0.4968,
0.4374


 91.1267, 0.4560,
0.4206

 24.3759, 0.5141,
0.4420


 117.6609, 0.4457,
0.4154

 15.6127, 0.5330,
0.4443


 148.9024, 0.4365,
0.4106


 9.2505, 0.5559,
0.4441

 185.2358, 0.4285,
0.4062

 4.9049, 0.5710,
0.4290

 227.0453, 0.4214,
0.4021

 2.1916, 0.5944,
0.4056

 274.7154, 0.4150,

 0.7154, 0.6391,

0.3984

0.3609

328.6304, 0.4094,
0.3950

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.6429, 0.4814,
0.4319

50.6429, 0.4814,
0.4319

46.6225, 0.5011,
0.4320

55.1122, 0.4588,
0.4265

43.0129, 0.5174,
0.4269

60.0507, 0.4348,
0.4168

42.7462, 0.5186,
0.4264

65.4814, 0.4105,
0.4040

71.4238, 0.3872,
0.3892

■ 77.8962, 0.3653,
0.3735

■ 84.9154, 0.3454,
0.3578

■ 92.4973, 0.3275,
0.3424

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.



50.6429, 0.5033, 0.3637



50.6429, 0.4814, 0.4319



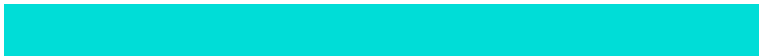
50.6429, 0.4149, 0.4917

Triad

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



50.6429, 0.4814, 0.4319



50.6429, 0.1787, 0.3368



50.6429, 0.2726, 0.2031

Complementary

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



50.6429, 0.4814, 0.4319



25.8631, 0.1867, 0.1697

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.



50.6429, 0.2001, 0.1878



50.6429, 0.4814, 0.4319



50.6429, 0.1532, 0.2476

Square

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



50.6429, 0.4814, 0.4319



50.6429, 0.2405, 0.4464



50.6429, 0.1609, 0.2003



50.6429, 0.3709, 0.2422

Rectangle

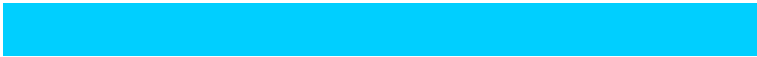
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.6429, 0.4814, 0.4319



50.6429, 0.3575, 0.5108



50.6429, 0.1609, 0.2003



50.6429, 0.2448, 0.1951

Sweetspot

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



50.6444, 0.4814, 0.4319



81.4914, 0.3547, 0.3653



25.6158, 0.4759, 0.2591



16.9138, 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.



50.6444, 0.4814, 0.4319



44.4901, 0.5109, 0.4296



89.9827, 0.4014, 0.5037



19.7505, 0.3280, 0.3429



22.6375, 0.5165, 0.4281



2.4199, 0.5024, 0.4393

Inverse Universe

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



25.8631, 0.1867, 0.1697



19.2205, 0.1721, 0.1369



11.0605, 0.1699, 0.0861



18.6186, 0.2979, 0.3147



9.4400, 0.1696, 0.1305



1.1288, 0.1758, 0.1527

Previews

White Background



This preview shows how the Yxy color 50.6429, 0.4814, 0.4319 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 50.6429, 0.4814, 0.4319 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 50.6429, 0.4814, 0.4319

Background



This preview shows how black text looks on a background with the Yxy color 50.6429, 0.4814, 0.4319.



This preview shows how white text looks on a background with the Yxy color 50.6429, 0.4814, 0.4319.

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

50.6429, 0.4814, 0.4319

Protanopia

50.6977, 0.4263, 0.4687

Deuteranopia

50.4750, 0.4603, 0.4501



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.6429, 0.4814, 0.4319

Protanomaly

50.2354, 0.4474, 0.4546

Deuteranomaly

50.5228, 0.4686, 0.4431

Tritanomaly

50.1441, 0.4308, 0.3667

Monochromacy



Original Color

50.6429, 0.4814, 0.4319

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5731, 0.3766, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6429, 0.4814, 0.4319 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 53) }
```

Border

The CSS property to change the border of an element to Yxy 50.6429, 0.4814, 0.4319 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, 53) }
```

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

```
.border{ border-color:rgb(255, 171, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6429, 0.4814, 0.4319 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
171, 53) }
```

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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