

Converting Colors

Yxy(51.0280, 0.4657, 0.4146)

Have a look what the booklet for
Yxy(51.0280, 0.4657, 0.4146)
contains.

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Color

Yxy(50.9950, 0.4656, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB52
RGB	255, 171, 82
RGB Percent	100%, 67%, 32%
CMY	0.0000, 0.3294, 0.6785
CMYK	0.00, 0.33, 0.68, 0.00
HSL	31°, 100%, 66%
HSV	31°, 68%, 100%
XYZ	57.3232, 50.9950, 14.7986
YIQ	185.9700, 78.6330, -9.8710

Conversions

Conversions Part 2

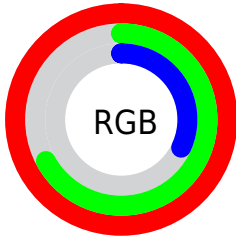
Format	Color
R_{YB}	245, 255, 82
Decimal	16755538
CIE _{Lab}	76.68, 22.98, 56.96
CIE _{LCh}	77, 61.417, 68.030
Yxy	50.9950, 0.4656, 0.4142
Android (android.graphics.Color)	4294945618 (0xFFFFAB52)
YUV	185.9700, -51.2572, 60.5393
Hunter-Lab	71.4108, 18.3175, 37.7007

Details

The Yxy color **50.9950, 0.4656, 0.4142** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **36.2682, 0.2054, 0.2119**, and the grayscale version is **49.3450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4020, 0.3952, 0.4201**, and **24.7468, 0.4997, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **46.2196, 0.4919, 0.4187**, and if you desaturate by 10%, it is **56.3576, 0.4384, 0.4055**.

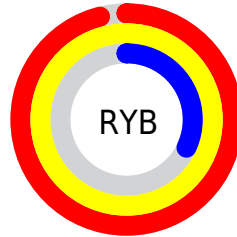
Distribution



Red (100%)

Green (67%)

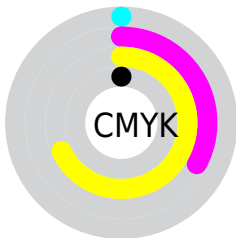
Blue (32%)



Red (96%)

Yellow (100%)

Blue (32%)

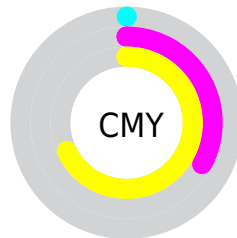


Cyan (0%)

Magenta (33%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9950, 0.4656, 0.4142 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 50.9950, 0.4656, 0.4142 by changing the saturation by 10% instead.


 50.9950, 0.4656,
0.4142


 50.9950, 0.4656,
0.4142

390.5444, 0.3933,
0.3796


 36.2046, 0.4813,
0.4198

 91.6474, 0.4409,
0.4038


 24.5923, 0.4997,
0.4252


 118.2782, 0.4311,
0.3993


 15.7735, 0.5213,
0.4293


 149.6246, 0.4227,
0.3951

 9.3641, 0.5480,
0.4318

 186.0710, 0.4153,
0.3914

 4.9794, 0.5750,
0.4250

 228.0018, 0.4087,
0.3880

 2.2352, 0.5993,
0.4007

275.8013, 0.4030,

 0.7391, 0.6441,

0.3849

0.3559

329.8541, 0.3979,
0.3821

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.9950, 0.4656,
0.4142

■ 50.9950, 0.4656,
0.4142

■ 46.2196, 0.4919,
0.4187

■ 56.3576, 0.4384,
0.4055

■ 41.9947, 0.5156,
0.4180

■ 62.3255, 0.4117,
0.3938

■ 38.2878, 0.5353,
0.4118

■ 68.9248, 0.3867,
0.3805

■ 37.5510, 0.5392,
0.4100

■ 76.1777, 0.3638,
0.3665

84.1047, 0.3434,
0.3525

92.7255, 0.3253,
0.3391

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



50.9950, 0.4744, 0.3542



50.9950, 0.4656, 0.4142



50.9950, 0.4143, 0.4653

Triad

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



50.9950, 0.4656, 0.4142



50.9950, 0.2030, 0.3505



50.9950, 0.2679, 0.2149

Complementary

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



50.9950, 0.4656, 0.4142



36.2682, 0.2054, 0.2119

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.



50.9950, 0.2077, 0.2050



50.9950, 0.4656, 0.4142



50.9950, 0.1742, 0.2699

Square

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



50.9950, 0.4656, 0.4142



50.9950, 0.2625, 0.4381



50.9950, 0.1763, 0.2216



50.9950, 0.3503, 0.2471

Rectangle

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



50.9950, 0.4656, 0.4142



50.9950, 0.3661, 0.4824



50.9950, 0.1763, 0.2216



50.9950, 0.2448, 0.2089

Sweetspot

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



50.9976, 0.4656, 0.4142



82.3499, 0.3476, 0.3555



30.1344, 0.4214, 0.2472



17.1434, 0.3532, 0.3594



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.



50.9976, 0.4656, 0.4142



44.8345, 0.4997, 0.4191



93.3827, 0.4052, 0.4819



19.5331, 0.3281, 0.3412



19.9229, 0.5368, 0.4120



2.1586, 0.5197, 0.4255

Inverse Universe

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



36.2682, 0.2054, 0.2119



29.2616, 0.1899, 0.1853



15.0428, 0.1807, 0.1108



18.8331, 0.2979, 0.3164



11.5715, 0.1757, 0.1525



1.3443, 0.1815, 0.1735

Previews

White Background



This preview shows how the Yxy color 50.9950, 0.4656, 0.4142 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 50.9950, 0.4656, 0.4142 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 50.9950, 0.4656, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 50.9950, 0.4656, 0.4142.



This preview shows how white text looks on a background with the Yxy color 50.9950, 0.4656, 0.4142.

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

50.9950, 0.4656, 0.4142

Protanopia

51.2331, 0.4078, 0.4469

Deuteranopia

50.8839, 0.4425, 0.4327



Tritanopia

50.9061, 0.3884, 0.3176

Trichromacy



Original Color

50.9950, 0.4656, 0.4142

Protanomaly

50.7076, 0.4285, 0.4347

Deuteranomaly

50.9156, 0.4504, 0.4260

Tritanomaly

50.8205, 0.4200, 0.3565

Monochromacy



Original Color

50.9950, 0.4656, 0.4142

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0347, 0.3673, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9950, 0.4656, 0.4142 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 82) }
```

Border

The CSS property to change the border of an element to Yxy 50.9950, 0.4656, 0.4142 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, 82) }
```

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

```
.border{ border-color:rgb(255, 171, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9950, 0.4656, 0.4142 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
171, 82) }
```

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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