

Converting Colors

$Y_{xy}(50.7570, 0.4737, 0.4229)$

Have a look what the booklet for
Yxy(50.7570, 0.4737, 0.4229)
contains.

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Color

Yxy(50.8155, 0.4734, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB45
RGB	255, 171, 69
RGB Percent	100%, 67%, 27%
CMY	0.0001, 0.3293, 0.7293
CMYK	0.00, 0.33, 0.73, 0.00
HSL	33°, 100%, 64%
HSV	33°, 73%, 100%
XYZ	56.8701, 50.8155, 12.4456
YIQ	184.4880, 82.8060, -13.9140

Conversions

Conversions Part 2

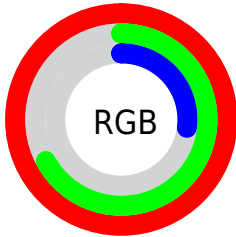
Format	Color
R _Y B	222, 255, 69
Decimal	16755525
CIE Lab	76.57, 22.33, 62.54
CIE LCh	77, 66.404, 70.350
Yxy	50.8155, 0.4734, 0.4230
Android (android.graphics.Color)	4294945605 (0xFFFFAB45)
YUV	184.4880, -56.9356, 61.8390
Hunter-Lab	71.2850, 17.6559, 39.5481

Details

The Yxy color **50.8155, 0.4734, 0.4230** 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 **31.2607, 0.1967, 0.1929**, and the grayscale version is **48.5072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0579, 0.4031, 0.4317**, and **24.5399, 0.5064, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **46.4045, 0.4969, 0.4257**, and if you desaturate by 10%, it is **55.7464, 0.4480, 0.4155**.

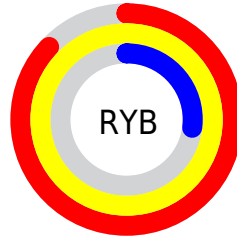
Distribution



Red (100%)

Green (67%)

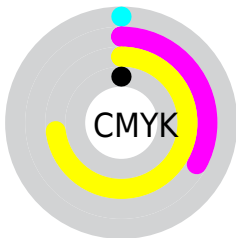
Blue (27%)



Red (87%)

Yellow (100%)

Blue (27%)

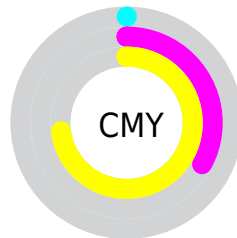


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8155, 0.4734, 0.4230 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 50.8155, 0.4734, 0.4230 by changing the saturation by 10% instead.


 50.8155, 0.4734,
0.4230


 50.8155, 0.4734,
0.4230


389.8465, 0.3985,
0.3855

 36.0618, 0.4890,
0.4287


 91.3820, 0.4482,
0.4121

 24.4819, 0.5071,
0.4338


 117.9636, 0.4381,
0.4071

 15.6915, 0.5275,
0.4372


 149.2566, 0.4293,
0.4026

 9.3061, 0.5566,
0.4417

 185.6454, 0.4216,
0.3985

 4.9414, 0.5729,
0.4271

 227.5144, 0.4148,
0.3948

 2.2129, 0.5968,
0.4032

275.2480, 0.4087,

 0.7270, 0.6415,

0.3914

329.2306, 0.4033,
0.3883

0.3585

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.8155, 0.4734,
0.4230

50.8155, 0.4734,
0.4230

46.4045, 0.4969,
0.4257

55.7464, 0.4480,
0.4155

42.4771, 0.5170,
0.4229


61.2143, 0.4223,
0.4044

39.9680, 0.5291,
0.4181

67.2439, 0.3974,
0.3910

73.8559, 0.3742,
0.3764

 81.0695, 0.3530,
0.3615

 88.9028, 0.3340,
0.3469

 97.3729, 0.3172,
0.3329

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.



50.8155, 0.4884, 0.3591



50.8155, 0.4734, 0.4230



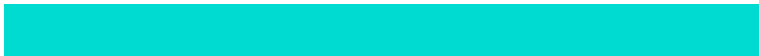
50.8155, 0.4148, 0.4780

Triad

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



50.8155, 0.4734, 0.4230



50.8155, 0.1912, 0.3439



50.8155, 0.2703, 0.2092

Complementary

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



50.8155, 0.4734, 0.4230



31.2607, 0.1967, 0.1929

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.



50.8155, 0.2041, 0.1966



50.8155, 0.4734, 0.4230



50.8155, 0.1639, 0.2591

Square

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



50.8155, 0.4734, 0.4230



50.8155, 0.2519, 0.4419



50.8155, 0.1689, 0.2112



50.8155, 0.3602, 0.2449

Rectangle

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



50.8155, 0.4734, 0.4230



50.8155, 0.3621, 0.4958



50.8155, 0.1689, 0.2112



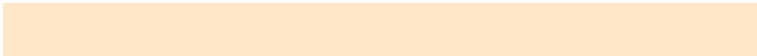
50.8155, 0.2449, 0.2023

Sweetspot

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



50.8181, 0.4734, 0.4230



81.7897, 0.3512, 0.3602



27.9081, 0.4429, 0.2505



17.0713, 0.3566, 0.3642



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.



50.8181, 0.4734, 0.4230



44.3643, 0.5076, 0.4250



92.0298, 0.4049, 0.4915



19.6387, 0.3280, 0.3420



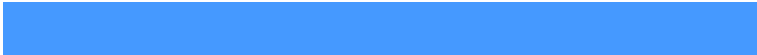
21.1920, 0.5268, 0.4199



2.2818, 0.5112, 0.4323

Inverse Universe

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



31.2607, 0.1967, 0.1929



23.9845, 0.1806, 0.1613



12.9832, 0.1750, 0.0984



18.7284, 0.2979, 0.3156



10.4839, 0.1727, 0.1416



1.2354, 0.1787, 0.1632

Previews

White Background



This preview shows how the Yxy color 50.8155, 0.4734, 0.4230 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 50.8155, 0.4734, 0.4230 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 50.8155, 0.4734, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 50.8155, 0.4734, 0.4230.



This preview shows how white text looks on a background with the Yxy color 50.8155, 0.4734, 0.4230.

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

50.8155, 0.4734, 0.4230

Protanopia

51.1702, 0.4168, 0.4586

Deuteranopia

50.8687, 0.4513, 0.4423



Tritanopia

50.8669, 0.3894, 0.3187

Trichromacy



Original Color

50.8155, 0.4734, 0.4230

Protanomaly

50.6657, 0.4377, 0.4455

Deuteranomaly

50.9042, 0.4593, 0.4354

Tritanomaly

50.6750, 0.4247, 0.3617

Monochromacy



Original Color

50.8155, 0.4734, 0.4230

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.8948, 0.3723, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8155, 0.4734, 0.4230 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 69) }
```

Border

The CSS property to change the border of an element to Yxy 50.8155, 0.4734, 0.4230 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, 69) }
```

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

```
.border{ border-color:rgb(255, 171, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8155, 0.4734, 0.4230 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, 69) }
```

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

```
.background{ background-color: rgb(255,  
171, 69) }
```

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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