

Converting Colors

$Y_{xy}(55.2475, 0.4635, 0.4333)$

Have a look what the booklet for
Yxy(55.2475, 0.4635, 0.4333)
contains.

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Color

Yxy(55.1456, 0.4636, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	FFB645
RGB	255, 182, 69
RGB Percent	100%, 71%, 27%
CMY	0.0000, 0.2862, 0.7292
CMYK	0.00, 0.29, 0.73, 0.00
HSL	36°, 100%, 64%
HSV	36°, 73%, 100%
XYZ	59.0427, 55.1456, 13.1687
YIQ	190.9450, 79.7810, -19.6670

Conversions

Conversions Part 2

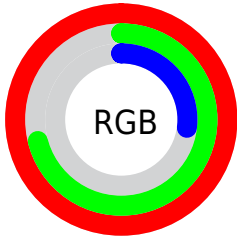
Format	Color
R_{YB}	189, 255, 69
Decimal	16758341
CIE _{Lab}	79.13, 16.60, 65.10
CIE _{LCh}	79, 67.186, 75.693
Yxy	55.1456, 0.4636, 0.4330
Android (android.graphics.Color)	4294948421 (0xFFFFB645)
YUV	190.9450, -60.1189, 56.1762
Hunter-Lab	74.2601, 11.9667, 41.4680

Details

The Yxy color **55.1456, 0.4636, 0.4330** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **27.8425, 0.1930, 0.1780**, and the grayscale version is **52.3914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8391, 0.3964, 0.4408**, and **27.0380, 0.4930, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **50.9421, 0.4841, 0.4370**, and if you desaturate by 10%, it is **59.7837, 0.4410, 0.4243**.

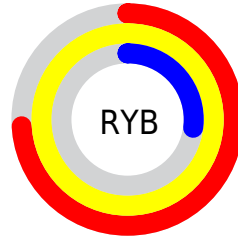
Distribution



Red (100%)

Green (71%)

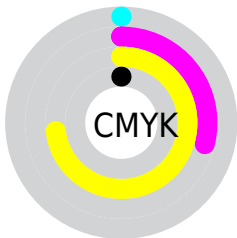
Blue (27%)



Red (74%)

Yellow (100%)

Blue (27%)

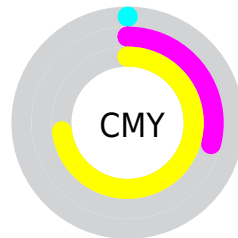


Cyan (0%)

Magenta (29%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (29%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1456, 0.4636, 0.4330 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 55.1456, 0.4636, 0.4330 by changing the saturation by 10% instead.


 55.1456, 0.4636,
0.4330

 55.1456, 0.4636,
0.4330


406.4636, 0.3949,
0.3906

 39.5183, 0.4775,
0.4399


 97.7542, 0.4409,
0.4202


 27.1632, 0.4934,
0.4468


 125.5044, 0.4317,
0.4147


 17.6958, 0.5110,
0.4525


 158.0643, 0.4236,
0.4096

 10.7318, 0.5341,
0.4589

 195.8183, 0.4164,
0.4050

 5.8868, 0.5486,
0.4514

 239.1508, 0.4101,
0.4009

 2.7764, 0.5650,
0.4350

288.4463, 0.4045,

 1.0161, 0.5932,

0.3971

0.4068

344.0891, 0.3994,
0.3937

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.1456, 0.4636,
0.4330

55.1456, 0.4636,
0.4330

50.9421, 0.4841,
0.4370

59.7837, 0.4410,
0.4243

47.1399, 0.5015,
0.4356

64.8694, 0.4176,
0.4120

44.6711, 0.5118,
0.4318

70.4246, 0.3945,
0.3972

76.4669, 0.3726,
0.3813

83.0125, 0.3523,
0.3649

90.0766, 0.3338,
0.3488

97.6736, 0.3172,
0.3334

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



55.1456, 0.4872, 0.3703



55.1456, 0.4636, 0.4330



55.1456, 0.4005, 0.4827

Triad

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



55.1456, 0.4636, 0.4330



55.1456, 0.1856, 0.3268



55.1456, 0.2856, 0.2154

Complementary

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



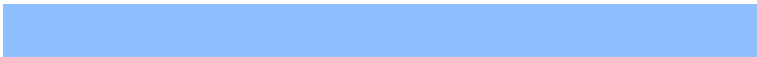
55.1456, 0.4636, 0.4330



27.8425, 0.1930, 0.1780

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.



55.1456, 0.2150, 0.1986



55.1456, 0.4636, 0.4330



55.1456, 0.1644, 0.2491

Square

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



55.1456, 0.4636, 0.4330



55.1456, 0.2401, 0.4244



55.1456, 0.1746, 0.2080



55.1456, 0.3760, 0.2543

Rectangle

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



55.1456, 0.4636, 0.4330



55.1456, 0.3469, 0.4934



55.1456, 0.1746, 0.2080



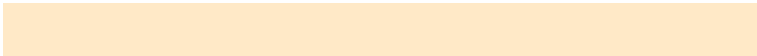
55.1456, 0.2589, 0.2072

Sweetspot

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



55.1484, 0.4636, 0.4330



83.6452, 0.3505, 0.3634



27.5170, 0.4615, 0.2626



17.5100, 0.3558, 0.3678



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.



55.1484, 0.4636, 0.4330



48.9645, 0.4934, 0.4370



89.8506, 0.3962, 0.4975



19.8236, 0.3279, 0.3434



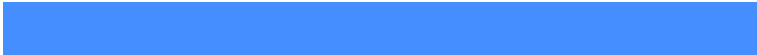
23.6413, 0.5099, 0.4334



2.5148, 0.4967, 0.4438

Inverse Universe

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



27.8425, 0.1930, 0.1780



20.6231, 0.1759, 0.1442



13.5383, 0.1808, 0.1013



18.5473, 0.2979, 0.3142



8.8142, 0.1677, 0.1237



1.0636, 0.1739, 0.1461

Previews

White Background



This preview shows how the Yxy color 55.1456, 0.4636, 0.4330 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 55.1456, 0.4636, 0.4330 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 55.1456, 0.4636, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 55.1456, 0.4636, 0.4330.



This preview shows how white text looks on a background with the Yxy color 55.1456, 0.4636, 0.4330.

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

55.1456, 0.4636, 0.4330

Protanopia

55.4736, 0.4191, 0.4615

Deuteranopia

54.9476, 0.4525, 0.4420



Tritanopia

55.0349, 0.3759, 0.3176

Trichromacy



Original Color

55.1456, 0.4636, 0.4330

Protanomaly

55.3230, 0.4347, 0.4512

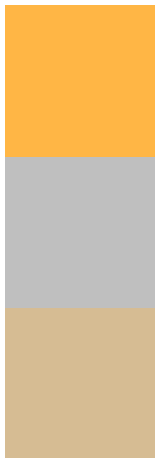
Deuteranomaly

55.2550, 0.4567, 0.4392

Tritanomaly

54.6875, 0.4131, 0.3649

Monochromacy



Original Color

55.1456, 0.4636, 0.4330

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.3692, 0.3684, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1456, 0.4636, 0.4330 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, 182, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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, 182, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 69) }
```

Border

The CSS property to change the border of an element to Yxy 55.1456, 0.4636, 0.4330 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, 182, 69) }
```

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

```
.border{ border-color:rgb(255, 182, 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, 182, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1456, 0.4636, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 69) }
```

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

```
.background{ background-color: rgb(255,  
182, 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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