

Converting Colors

$Y_{xy}(70.8857, 0.5084, 0.4103)$

Have a look what the booklet for
Yxy(70.8857, 0.5084, 0.4103)
contains.

Yxy(56.3396, 0.4629, 0.4380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3396, 0.4629, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	FFB941
RGB	255, 185, 65
RGB Percent	100%, 73%, 25%
CMY	0.0000, 0.2745, 0.7448
CMYK	0.00, 0.27, 0.74, 0.00
HSL	38°, 100%, 63%
HSV	38°, 74%, 100%
XYZ	59.5425, 56.3396, 12.7472
YIQ	192.2500, 80.2400, -22.4800

Conversions

Conversions Part 2

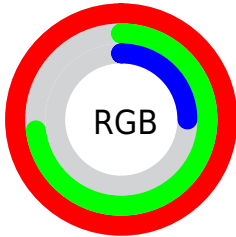
Format	Color
R_{YB}	176, 255, 65
Decimal	16759105
CIE _{Lab}	79.81, 14.87, 67.34
CIE _{LCh}	80, 68.966, 77.553
Yxy	56.3396, 0.4629, 0.4380
Android (android.graphics.Color)	4294949185 (0xFFFFB941)
YUV	192.2500, -62.7342, 55.0318
Hunter-Lab	75.0597, 10.2439, 42.4728

Details

The Yxy color **56.3396, 0.4629, 0.4380** 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 **25.6877, 0.1894, 0.1683**, and the grayscale version is **53.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5267, 0.3965, 0.4457**, and **27.8400, 0.4889, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **52.3077, 0.4818, 0.4417**, and if you desaturate by 10%, it is **60.7702, 0.4416, 0.4295**.

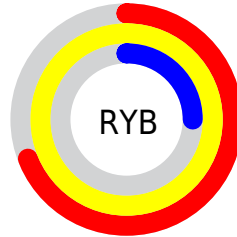
Distribution



Red (100%)

Green (73%)

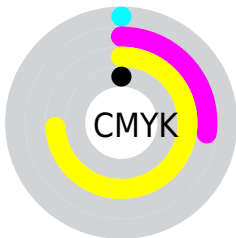
Blue (25%)



Red (69%)

Yellow (100%)

Blue (25%)

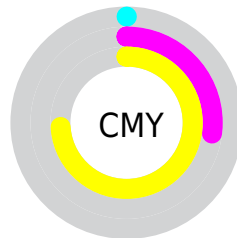


Cyan (0%)

Magenta (27%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3396, 0.4629, 0.4380 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 56.3396, 0.4629, 0.4380 by changing the saturation by 10% instead.


 56.3396, 0.4629,
0.4380

 56.3396, 0.4629,
0.4380

410.9701, 0.3953,
0.3936

 40.4753, 0.4763,
0.4453

 99.5009, 0.4408,
0.4247

 27.9093, 0.4914,
0.4524


 127.5667, 0.4317,
0.4188

 18.2573, 0.5080,
0.4585


 160.4685, 0.4237,
0.4135

 11.1349, 0.5302,
0.4660

 198.5905, 0.4167,
0.4087

 6.1576, 0.5416,
0.4584

 242.3173, 0.4104,
0.4044

 2.9412, 0.5560,
0.4440

292.0333, 0.4048,

 1.1011, 0.5807,

0.4004

0.4193

348.1227, 0.3998,
0.3968

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3396, 0.4629,
0.4380

■ 56.3396, 0.4629,
0.4380

■ 52.3077, 0.4818,
0.4417

■ 60.7702, 0.4416,
0.4295

■ 48.6417, 0.4975,
0.4400

■ 65.6118, 0.4192,
0.4172

■ 46.7595, 0.5049,
0.4373

■ 70.8857, 0.3968,
0.4022

■ 76.6085, 0.3752,
0.3858

82.7957, 0.3550,
0.3689

89.4618, 0.3364,
0.3521

96.6204, 0.3196,
0.3360

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



56.3396, 0.4904, 0.3745



56.3396, 0.4629, 0.4380



56.3396, 0.3968, 0.4875

Triad

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



56.3396, 0.4629, 0.4380



56.3396, 0.1811, 0.3206



56.3396, 0.2903, 0.2155

Complementary

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



56.3396, 0.4629, 0.4380



25.6877, 0.1894, 0.1683

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.



56.3396, 0.2170, 0.1970



56.3396, 0.4629, 0.4380



56.3396, 0.1619, 0.2438

Square

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



56.3396, 0.4629, 0.4380



56.3396, 0.2343, 0.4206



56.3396, 0.1742, 0.2046



56.3396, 0.3829, 0.2561

Rectangle

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



56.3396, 0.4629, 0.4380



56.3396, 0.3419, 0.4963



56.3396, 0.1742, 0.2046



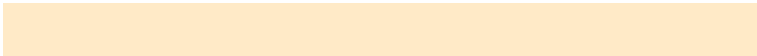
56.3396, 0.2627, 0.2067

Sweetspot

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



56.3424, 0.4629, 0.4380



84.4117, 0.3502, 0.3647



26.8780, 0.4712, 0.2654



17.6915, 0.3554, 0.3693



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.



56.3424, 0.4629, 0.4380



50.6114, 0.4893, 0.4416



89.1926, 0.3948, 0.5011



19.8994, 0.3278, 0.3440



24.7298, 0.5031, 0.4387



2.6168, 0.4910, 0.4483

Inverse Universe

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



25.6877, 0.1894, 0.1683



18.9846, 0.1732, 0.1353



13.0450, 0.1799, 0.0982



18.4739, 0.2979, 0.3136



8.2121, 0.1658, 0.1169



0.9998, 0.1720, 0.1393

Previews

White Background



This preview shows how the Yxy color 56.3396, 0.4629, 0.4380 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 56.3396, 0.4629, 0.4380 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 56.3396, 0.4629, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 56.3396, 0.4629, 0.4380.



This preview shows how white text looks on a background with the Yxy color 56.3396, 0.4629, 0.4380.

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

56.3396, 0.4629, 0.4380

Protanopia

56.8061, 0.4221, 0.4645

Deuteranopia

56.2931, 0.4552, 0.4447



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.3396, 0.4629, 0.4380

Protanomaly

56.4934, 0.4367, 0.4546

Deuteranomaly

56.4200, 0.4585, 0.4423

Tritanomaly

55.8857, 0.4116, 0.3680

Monochromacy



Original Color

56.3396, 0.4629, 0.4380

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.9176, 0.3698, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3396, 0.4629, 0.4380 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, 185, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 65)  
}
```

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, 185, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 65) }
```

Border

The CSS property to change the border of an element to Yxy 56.3396, 0.4629, 0.4380 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, 185, 65) }
```

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

```
.border{ border-color:rgb(255, 185, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3396, 0.4629, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 65) }
```

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

```
.background{ background-color: rgb(255,  
185, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor