

Converting Colors

Yxy(56.3133, 0.4624, 0.4372)

Have a look what the booklet for
Yxy(56.3133, 0.4624, 0.4372)
contains.

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Color

Yxy(56.3513, 0.4625, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	FFB942
RGB	255, 185, 66
RGB Percent	100%, 73%, 26%
CMY	0.0000, 0.2745, 0.7414
CMYK	0.00, 0.27, 0.74, 0.00
HSL	38°, 100%, 63%
HSV	38°, 74%, 100%
XYZ	59.5714, 56.3513, 12.8803
YIQ	192.3640, 79.9190, -22.1690

Conversions

Conversions Part 2

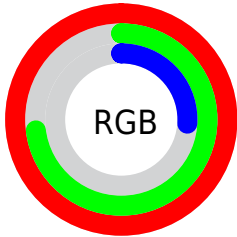
Format	Color
RYB	177, 255, 66
Decimal	16759106
CIELab	79.81, 14.91, 67.02
CIELCh	80, 68.654, 77.460
Yxy	56.3513, 0.4625, 0.4375
Android (android.graphics.Color)	4294949186 (0xFFFFB942)
YUV	192.3640, -62.2975, 54.9318
Hunter-Lab	75.0675, 10.2842, 42.3741

Details

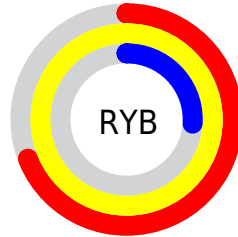
The Yxy color **56.3513, 0.4625, 0.4375** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **25.9629, 0.1899, 0.1695**, and the grayscale version is **53.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5511, 0.3960, 0.4449**, and **27.8400, 0.4889, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **52.2976, 0.4816, 0.4413**, and if you desaturate by 10%, it is **60.8060, 0.4411, 0.4289**.

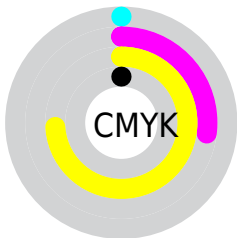
Distribution



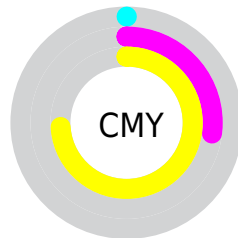
- Red (100%)
- Green (73%)
- Blue (26%)



- Red (69%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (27%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3513, 0.4625, 0.4375 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 56.3513, 0.4625, 0.4375 by changing the saturation by 10% instead.


 56.3513, 0.4625,
0.4375


 56.3513, 0.4625,
0.4375


411.0141, 0.3950,
0.3932


 40.4847, 0.4759,
0.4448


 99.5180, 0.4404,
0.4242


 27.9166, 0.4911,
0.4520


 127.5869, 0.4313,
0.4183

 18.2628, 0.5077,
0.4581


 160.4920, 0.4234,
0.4131

 11.1388, 0.5298,
0.4654

 198.6176, 0.4163,
0.4083

 6.1603, 0.5418,
0.4582

 242.3483, 0.4101,
0.4040

 2.9428, 0.5562,
0.4438

292.0683, 0.4045,

 1.1019, 0.5809,

0.4000

348.1621, 0.3995,
0.3965

0.4191

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.3513, 0.4625,
0.4375

56.3513, 0.4625,
0.4375

52.2976, 0.4816,
0.4413

60.8060, 0.4411,
0.4289

48.6133, 0.4975,
0.4398

65.6752, 0.4186,
0.4165

46.6102, 0.5054,
0.4369

70.9796, 0.3961,
0.4015

76.7360, 0.3745,
0.3851

■ 82.9599, 0.3543,
0.3682

■ 89.6657, 0.3358,
0.3515

■ 96.8672, 0.3191,
0.3354

■ 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.



56.3513, 0.4897, 0.3743



56.3513, 0.4625, 0.4375



56.3513, 0.3968, 0.4867

Triad

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



56.3513, 0.4625, 0.4375



56.3513, 0.1818, 0.3210



56.3513, 0.2902, 0.2158

Complementary

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



56.3513, 0.4625, 0.4375



25.9629, 0.1899, 0.1695

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.



56.3513, 0.2172, 0.1974



56.3513, 0.4625, 0.4375



56.3513, 0.1625, 0.2444

Square

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



56.3513, 0.4625, 0.4375



56.3513, 0.2349, 0.4204



56.3513, 0.1746, 0.2051



56.3513, 0.3823, 0.2562

Rectangle

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



56.3513, 0.4625, 0.4375



56.3513, 0.3421, 0.4955



56.3513, 0.1746, 0.2051



56.3513, 0.2627, 0.2070

Sweetspot

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



56.3538, 0.4625, 0.4375



84.3567, 0.3502, 0.3646



26.9953, 0.4701, 0.2655



17.6785, 0.3554, 0.3692



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.



56.3538, 0.4625, 0.4375



50.4639, 0.4898, 0.4413



89.2264, 0.3946, 0.5007



19.8940, 0.3278, 0.3439



24.6503, 0.5036, 0.4383



2.6093, 0.4914, 0.4480

Inverse Universe

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



25.9629, 0.1899, 0.1695



19.0705, 0.1733, 0.1358



13.1827, 0.1805, 0.0991



18.4791, 0.2979, 0.3136



8.2537, 0.1659, 0.1173



1.0042, 0.1722, 0.1398

Previews

White Background



This preview shows how the Yxy color 56.3513, 0.4625, 0.4375 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 56.3513, 0.4625, 0.4375 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 56.3513, 0.4625, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 56.3513, 0.4625, 0.4375.



This preview shows how white text looks on a background with the Yxy color 56.3513, 0.4625, 0.4375.

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

56.3513, 0.4625, 0.4375

Protanopia

56.8186, 0.4216, 0.4638

Deuteranopia

56.3046, 0.4547, 0.4441



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.3513, 0.4625, 0.4375

Protanomaly

56.5057, 0.4362, 0.4539

Deuteranomaly

56.4315, 0.4580, 0.4417

Tritanomaly

55.9161, 0.4108, 0.3669

Monochromacy



Original Color

56.3513, 0.4625, 0.4375

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 56.3513, 0.4625, 0.4375 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 66) }
```

Border

The CSS property to change the border of an element to Yxy 56.3513, 0.4625, 0.4375 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, 66) }
```

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

```
.border{ border-color:rgb(255, 185, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3513, 0.4625, 0.4375 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
185, 66) }
```

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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