

Converting Colors

$Y_{xy}(56.1753, 0.4493, 0.4336)$

Have a look what the booklet for
Yxy(56.1753, 0.4493, 0.4336)
contains.

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Color

Yxy(56.2449, 0.4492, 0.4337)

Conversions

Conversions Part 1

Format	Color
Hex	F9BB4F
RGB	249, 187, 79
RGB Percent	98%, 73%, 31%
CMY	0.0234, 0.2667, 0.6901
CMYK	0.00, 0.25, 0.68, 0.02
HSL	38°, 93%, 64%
HSV	38°, 68%, 98%
XYZ	58.2550, 56.2449, 15.1863
YIQ	193.2260, 71.6200, -20.4440

Conversions

Conversions Part 2

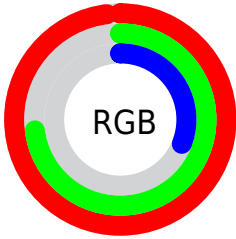
Format	Color
RYB	177, 249, 79
Decimal	16366415
CIELab	79.75, 11.99, 61.37
CIELCh	80, 62.532, 78.945
Yxy	56.2449, 0.4492, 0.4337
Android (android.graphics.Color)	4294556495 (0xFFFF9BB4F)
YUV	193.2260, -56.3134, 48.9138
Hunter-Lab	74.9966, 7.4092, 40.4918

Details

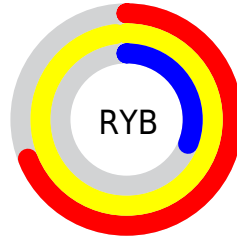
The Yxy color **56.2449, 0.4492, 0.4337** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **27.5672, 0.1980, 0.1828**, and the grayscale version is **53.7779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0546, 0.3886, 0.4364**, and **27.7957, 0.4763, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **52.2165, 0.4695, 0.4406**, and if you desaturate by 10%, it is **60.6585, 0.4273, 0.4226**.

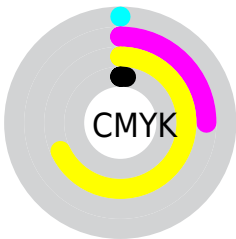
Distribution



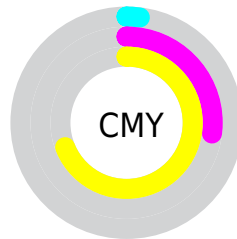
- Red (98%)
- Green (73%)
- Blue (31%)



- Red (69%)
- Yellow (98%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (68%)
- Black (2%)





- Cyan (2%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2449, 0.4492, 0.4337 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 56.2449, 0.4492, 0.4337 by changing the saturation by 10% instead.

 56.2449, 0.4492,
0.4337

 56.2449, 0.4492,
0.4337


410.6138, 0.3869,
0.3893


 40.3993, 0.4620,
0.4417


 99.3626, 0.4284,
0.4198


 27.8500, 0.4768,
0.4502


 127.4034, 0.4201,
0.4139


 18.2126, 0.4934,
0.4584


 160.2781, 0.4127,
0.4086

 11.1028, 0.5128,
0.4662

 198.3711, 0.4063,
0.4039

 6.1360, 0.5315,
0.4685

 242.0668, 0.4006,
0.3996

 2.9279, 0.5434,
0.4566

291.7496, 0.3955,

 1.0942, 0.5639,

0.3958

0.4361

347.8037, 0.3909,
0.3924

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.2449, 0.4492,
0.4337

56.2449, 0.4492,
0.4337

52.2165, 0.4695,
0.4406

60.6585, 0.4273,
0.4226

48.5445, 0.4872,
0.4424

65.4670, 0.4049,
0.4084

45.2046, 0.5014,
0.4391


70.6892, 0.3830,
0.3924


44.6541, 0.5037,
0.4382

76.3401, 0.3623,
0.3755

 82.4334, 0.3431,
0.3585

 88.9823, 0.3258,
0.3420

 95.9991, 0.3101,
0.3264

 98.8838, 0.3090,
0.3290

Harmonies

Analogous

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



56.2449, 0.4749, 0.3759



56.2449, 0.4492, 0.4337



56.2449, 0.3882, 0.4751

Triad

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



56.2449, 0.4492, 0.4337



56.2449, 0.1903, 0.3185



56.2449, 0.2965, 0.2255

Complementary

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



56.2449, 0.4492, 0.4337



27.5672, 0.1980, 0.1828

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.



56.2449, 0.2275, 0.2072



56.2449, 0.4492, 0.4337



56.2449, 0.1732, 0.2495

Square

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



56.2449, 0.4492, 0.4337



56.2449, 0.2389, 0.4074



56.2449, 0.1859, 0.2137



56.2449, 0.3807, 0.2642

Rectangle

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



56.2449, 0.4492, 0.4337



56.2449, 0.3374, 0.4794



56.2449, 0.1859, 0.2137



56.2449, 0.2708, 0.2169

Sweetspot

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



56.2477, 0.4492, 0.4337



85.8368, 0.3464, 0.3615



27.6722, 0.4552, 0.2697



17.9800, 0.3517, 0.3663



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.



56.2477, 0.4492, 0.4337



53.5803, 0.4767, 0.4419



84.5560, 0.3893, 0.4930



19.0635, 0.3278, 0.3440



24.1779, 0.5020, 0.4396



2.4410, 0.4895, 0.4495

Inverse Universe

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



27.5672, 0.1980, 0.1828



21.7645, 0.1799, 0.1497



15.2422, 0.1922, 0.1156



17.6799, 0.2979, 0.3135



7.8986, 0.1656, 0.1160



0.9256, 0.1721, 0.1396

Previews

White Background



This preview shows how the Yxy color 56.2449, 0.4492, 0.4337 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 56.2449, 0.4492, 0.4337 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 56.2449, 0.4492, 0.4337

Background



This preview shows how black text looks on a background with the Yxy color 56.2449, 0.4492, 0.4337.



This preview shows how white text looks on a background with the Yxy color 56.2449, 0.4492, 0.4337.

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

56.2449, 0.4492, 0.4337

Protanopia

56.2130, 0.4146, 0.4549

Deuteranopia

56.1238, 0.4459, 0.4360



Tritanopia

55.9848, 0.3717, 0.3156

Trichromacy



Original Color

56.2449, 0.4492, 0.4337

Protanomaly

56.1666, 0.4275, 0.4469

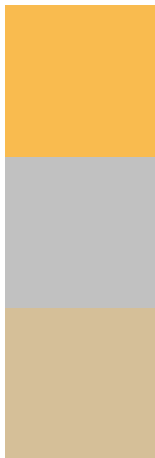
Deuteranomaly

56.3051, 0.4467, 0.4355

Tritanomaly

55.6951, 0.4046, 0.3620

Monochromacy



Original Color

56.2449, 0.4492, 0.4337

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.6747, 0.3624, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2449, 0.4492, 0.4337 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(249, 187, 79)` looks like.

```
.text, #text, p{  
    color:rgb(249, 187, 79)  
}
```

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(249, 187, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 187, 79) }
```

Border

The CSS property to change the border of an element to Yxy 56.2449, 0.4492, 0.4337 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(249, 187, 79) }
```

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

```
.border{ border-color:rgb(249, 187, 79) }
```

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

Here you see how a box with a 4 pixel rgb(249, 187, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 187, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 187, 79);  
box-shadow:4px 4px 4px 4px rgb(249, 187,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2449, 0.4492, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 187, 79) }
```

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

```
.background{ background-color: rgb(249,  
187, 79) }
```

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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