

Converting Colors

$Yxy(56.2313, 0.4204, 0.4337)$

Have a look what the booklet for
Yxy(56.2313, 0.4204, 0.4337)
contains.

Yxy(56.1220, 0.4207, 0.4340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.1220, 0.4207, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	E8C15F
RGB	232, 193, 95
RGB Percent	91%, 76%, 37%
CMY	0.0904, 0.2430, 0.6275
CMYK	0.00, 0.17, 0.59, 0.09
HSL	43°, 75%, 64%
HSV	43°, 59%, 91%
XYZ	54.4021, 56.1220, 18.7892
YIQ	193.4890, 54.7020, -22.2100

Conversions

Conversions Part 2

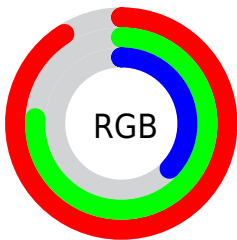
Format	Color
RYB	150, 232, 95
Decimal	15253855
CIELab	79.68, 2.71, 53.62
CIELCh	80, 53.692, 87.103
Yxy	56.1220, 0.4207, 0.4340
Android (android.graphics.Color)	4293443935 (0xFFE8C15F)
YUV	193.4890, -48.5551, 33.7741
Hunter-Lab	74.9146, -1.4759, 37.5698

Details

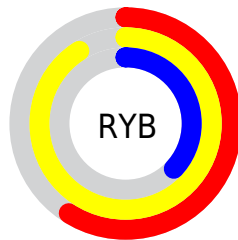
The Yxy color **56.1220, 0.4207, 0.4340** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **25.2833, 0.2093, 0.1904**, and the grayscale version is **53.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1495, 0.3778, 0.4280**, and **27.8148, 0.4427, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **52.9132, 0.4393, 0.4463**, and if you desaturate by 10%, it is **59.5916, 0.4011, 0.4185**.

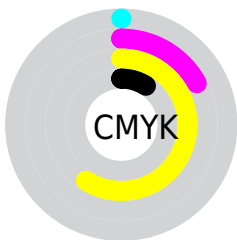
Distribution



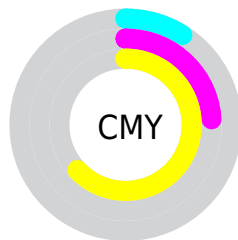
- Red (91%)
- Green (76%)
- Blue (37%)



- Red (59%)
- Yellow (91%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (59%)
- Black (9%)





- Cyan (9%)
- Magenta (24%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1220, 0.4207, 0.4340 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 56.1220, 0.4207, 0.4340 by changing the saturation by 10% instead.


 56.1220, 0.4207,
0.4340


 56.1220, 0.4207,
0.4340


410.1511, 0.3710,
0.3863


 40.3007, 0.4312,
0.4438


 99.1829, 0.4039,
0.4181


 27.7731, 0.4435,
0.4552


 127.1914, 0.3972,
0.4117

 18.1547, 0.4577,
0.4680


 160.0311, 0.3914,
0.4061

 11.0611, 0.4734,
0.4815

 198.0863, 0.3863,
0.4012

 6.1080, 0.4976,
0.5024

241.7415, 0.3818,
0.3968

 2.9108, 0.5004,
0.4996

291.3812, 0.3778,

 1.0854, 0.5055,

0.3929

0.4945

347.3896, 0.3742,
0.3895

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.1220, 0.4207,
0.4340

56.1220, 0.4207,
0.4340

52.9132, 0.4393,
0.4463

59.5916, 0.4011,
0.4185

49.9441, 0.4558,
0.4544


63.3258, 0.3813,
0.4009

47.2019, 0.4696,
0.4577

67.3379, 0.3620,
0.3823

44.6638, 0.4804,
0.4562


71.6378, 0.3437,
0.3635


 44.4298, 0.4814,
0.4560

 76.2347, 0.3268,
0.3450

 81.1374, 0.3113,
0.3274

 86.2012, 0.2986,
0.3131

 90.1357, 0.2987,
0.3197

 94.2125, 0.2987,
0.3263

Harmonies

Analogous

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



56.1220, 0.4514, 0.3869



56.1220, 0.4207, 0.4340



56.1220, 0.3627, 0.4584

Triad

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



56.1220, 0.4207, 0.4340



56.1220, 0.1987, 0.3025



56.1220, 0.3186, 0.2456

Complementary

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



56.1220, 0.4207, 0.4340



25.2833, 0.2093, 0.1904

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.



56.1220, 0.2530, 0.2239



56.1220, 0.4207, 0.4340



56.1220, 0.1902, 0.2494

Square

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



56.1220, 0.4207, 0.4340



56.1220, 0.2351, 0.3757



56.1220, 0.2087, 0.2240



56.1220, 0.3902, 0.2845

Rectangle

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



56.1220, 0.4207, 0.4340



56.1220, 0.3173, 0.4510



56.1220, 0.2087, 0.2240



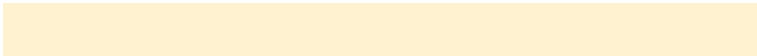
56.1220, 0.2950, 0.2362

Sweetspot

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



56.1247, 0.4207, 0.4340



89.3456, 0.3421, 0.3617



27.1104, 0.4388, 0.2846



18.7796, 0.3472, 0.3672



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.



56.1247, 0.4207, 0.4340



64.7225, 0.4433, 0.4486



71.4281, 0.3755, 0.4792



16.0885, 0.3275, 0.3457



24.9020, 0.4801, 0.4570



1.9963, 0.4692, 0.4657

Inverse Universe

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



25.2833, 0.2093, 0.1904



23.4444, 0.1892, 0.1570



18.1720, 0.2168, 0.1474



14.5509, 0.2981, 0.3117



5.5788, 0.1602, 0.0965



0.5666, 0.1681, 0.1251

Previews

White Background



This preview shows how the Yxy color 56.1220, 0.4207, 0.4340 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 56.1220, 0.4207, 0.4340 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 56.1220, 0.4207, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 56.1220, 0.4207, 0.4340.



This preview shows how white text looks on a background with the Yxy color 56.1220, 0.4207, 0.4340.

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

56.1220, 0.4207, 0.4340

Protanopia

56.3113, 0.4049, 0.4422

Deuteranopia

56.0441, 0.4339, 0.4236



Tritanopia

56.1422, 0.3521, 0.3139

Trichromacy



Original Color

56.1220, 0.4207, 0.4340

Protanomaly

56.1717, 0.4112, 0.4392

Deuteranomaly

56.1967, 0.4290, 0.4270

Tritanomaly

55.7982, 0.3803, 0.3592

Monochromacy



Original Color

56.1220, 0.4207, 0.4340

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.8396, 0.3526, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1220, 0.4207, 0.4340 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(232, 193, 95)` looks like.

```
.text, #text, p{  
    color:rgb(232, 193, 95)  
}
```

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(232, 193, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 193, 95) }
```

Border

The CSS property to change the border of an element to Yxy 56.1220, 0.4207, 0.4340 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(232, 193, 95) }
```

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

```
.border{ border-color:rgb(232, 193, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 193, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 193, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 193, 95);  
box-shadow:4px 4px 4px 4px rgb(232, 193,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1220, 0.4207, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 193, 95) }
```

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

```
.background{ background-color: rgb(232,  
193, 95) }
```

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