

Converting Colors

$Y_{xy}(58.2798, 0.4064, 0.4191)$

Have a look what the booklet for
Yxy(58.2798, 0.4064, 0.4191)
contains.

Yxy(58.4710, 0.4064, 0.4197)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.4710, 0.4064, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	E9C572
RGB	233, 197, 114
RGB Percent	91%, 77%, 45%
CMY	0.0861, 0.2275, 0.5529
CMYK	0.00, 0.15, 0.51, 0.09
HSL	42°, 73%, 68%
HSV	42°, 51%, 91%
XYZ	56.6181, 58.4710, 24.2271
YIQ	198.3020, 48.0990, -18.1810

Conversions

Conversions Part 2

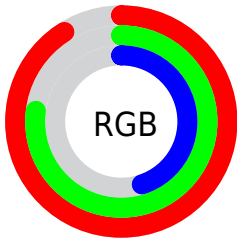
Format	Color
R _Y B	166, 233, 114
Decimal	15320434
CIE Lab	81.00, 2.60, 46.05
CIE LCh	81, 46.122, 86.769
Yxy	58.4710, 0.4064, 0.4197
Android (android.graphics.Color)	4293510514 (0xFFE9C572)
YUV	198.3020, -41.5609, 30.4301
Hunter-Lab	76.4663, -1.6490, 34.7414

Details

The Yxy color **58.4710, 0.4064, 0.4197** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.2990, 0.2242, 0.2154**, and the grayscale version is **56.9058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3006, 0.3655, 0.4136**, and **29.1178, 0.4281, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **54.8782, 0.4265, 0.4343**, and if you desaturate by 10%, it is **62.3546, 0.3861, 0.4028**.

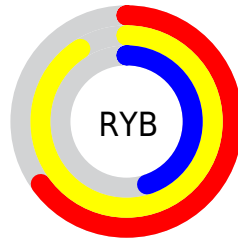
Distribution



Red (91%)

Green (77%)

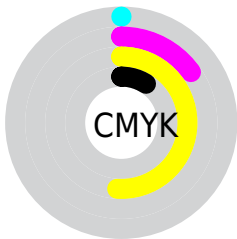
Blue (45%)



Red (65%)

Yellow (91%)

Blue (45%)

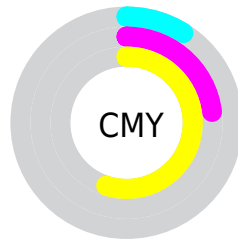


Cyan (0%)

Magenta (15%)

Yellow (51%)

Black (9%)



Cyan (9%)

Magenta (23%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4710, 0.4064, 0.4197 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 58.4710, 0.4064, 0.4197 by changing the saturation by 10% instead.

■ 58.4710, 0.4064,
0.4197

■ 58.4710, 0.4064,
0.4197

418.9387, 0.3628,
0.3780

■ 42.1874, 0.4160,
0.4287

■ 102.6084, 0.3915,
0.4056

■ 29.2481, 0.4274,
0.4393

■ 131.2311, 0.3856,
0.4000

■ 19.2686, 0.4412,
0.4518

■ 164.7355, 0.3805,
0.3951

■ 11.8645, 0.4575,
0.4663

203.5062, 0.3760,
0.3908

■ 6.6515, 0.4782,
0.4842

247.9274, 0.3721,
0.3870

■ 3.2451, 0.4994,
0.5006

298.3837, 0.3686,

■ 1.2610, 0.5039,

0.3837

0.4961

355.2593, 0.3655,
0.3807

0.1107, 0.6038,
0.3962

0.0000, 0.0000,
0.0000

58.4710, 0.4064,
0.4197

58.4710, 0.4064,
0.4197

54.8782, 0.4265,
0.4343

62.3546, 0.3861,
0.4028

51.5554, 0.4455,
0.4455


66.5321, 0.3663,
0.3848


48.4913, 0.4624,
0.4524


71.0167, 0.3476,
0.3663

45.6693, 0.4763,
0.4542

75.8182, 0.3302,
0.3482

 43.3317, 0.4863,
0.4520

 80.9459, 0.3143,
0.3308

 86.4084, 0.3000,
0.3144

 90.7045, 0.2993,
0.3204

 95.0896, 0.2994,
0.3274

 96.0702, 0.2994,
0.3290

Harmonies

Analogous

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



58.4710, 0.4311, 0.3803



58.4710, 0.4064, 0.4197



58.4710, 0.3575, 0.4382

Triad

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



58.4710, 0.4064, 0.4197



58.4710, 0.2147, 0.3083



58.4710, 0.3176, 0.2564

Complementary

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



58.4710, 0.4064, 0.4197



31.2990, 0.2242, 0.2154

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.



58.4710, 0.2613, 0.2377



58.4710, 0.4064, 0.4197



58.4710, 0.2065, 0.2619

Square

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



58.4710, 0.4064, 0.4197



58.4710, 0.2473, 0.3692



58.4710, 0.2226, 0.2386



58.4710, 0.3779, 0.2906

Rectangle

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



58.4710, 0.4064, 0.4197



58.4710, 0.3186, 0.4310



58.4710, 0.2226, 0.2386



58.4710, 0.2975, 0.2482

Sweetspot

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



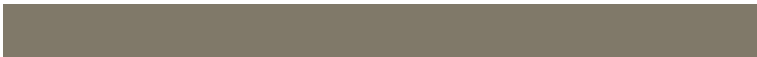
58.4738, 0.4064, 0.4197



90.6065, 0.3370, 0.3554



31.6270, 0.4109, 0.2870



19.1266, 0.3406, 0.3592



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.



58.4738, 0.4064, 0.4197



67.2261, 0.4270, 0.4346



73.3964, 0.3707, 0.4602



16.8121, 0.3275, 0.3454



24.8062, 0.4850, 0.4531



2.1157, 0.4737, 0.4621

Inverse Universe

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



31.2990, 0.2242, 0.2154



30.6299, 0.2062, 0.1879



23.1457, 0.2304, 0.1728



15.2928, 0.2980, 0.3121



6.0551, 0.1613, 0.1007



0.6392, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 58.4710, 0.4064, 0.4197 looks on a white background.

Color Contrast Check

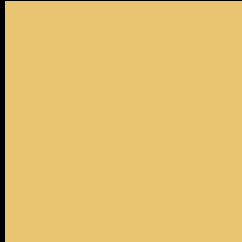
Large Text (above 18pt) WCAG AA × Fail

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 58.4710, 0.4064, 0.4197 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 58.4710, 0.4064, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 58.4710, 0.4064, 0.4197.



This preview shows how white text looks on a background with the Yxy color 58.4710, 0.4064, 0.4197.

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

58.4710, 0.4064, 0.4197

Protanopia

58.4064, 0.3925, 0.4256

Deuteranopia

58.3496, 0.4189, 0.4101



Tritanopia

58.4585, 0.3469, 0.3140

Trichromacy



Original Color

58.4710, 0.4064, 0.4197

Protanomaly

58.5539, 0.3971, 0.4243

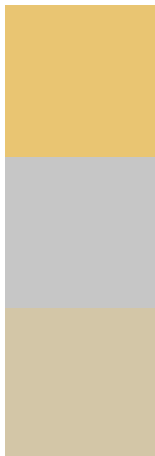
Deuteranomaly

58.5221, 0.4143, 0.4133

Tritanomaly

58.3033, 0.3702, 0.3535

Monochromacy



Original Color

58.4710, 0.4064, 0.4197

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.0271, 0.3469, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4710, 0.4064, 0.4197 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(233, 197, 114)` looks like.

```
.text, #text, p{  
    color:rgb(233, 197, 114)  
}
```

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(233, 197, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 197, 114) }
```

Border

The CSS property to change the border of an element to Yxy 58.4710, 0.4064, 0.4197 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(233, 197, 114) }
```

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

```
.border{ border-color:rgb(233, 197, 114) }
```

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

Here you see how a box with a 4 pixel rgb(233, 197, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 197, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 197, 114);  
box-shadow:4px 4px 4px 4px rgb(233, 197,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4710, 0.4064, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 197, 114) }
```

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

```
.background{ background-color: rgb(233,  
197, 114) }
```

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