

Converting Colors

$Y_{xy}(58.1052, 0.4214, 0.4554)$

Have a look what the booklet for
Yxy(58.1052, 0.4214, 0.4554)
contains.

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Color

Yxy(58.2040, 0.4207, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	E3C84F
RGB	227, 200, 79
RGB Percent	89%, 78%, 31%
CMY	0.1098, 0.2157, 0.6901
CMYK	0.00, 0.12, 0.65, 0.11
HSL	49°, 73%, 60%
HSV	49°, 65%, 89%
XYZ	53.7454, 58.2040, 15.8030
YIQ	194.2790, 54.9330, -31.9070

Conversions

Conversions Part 2

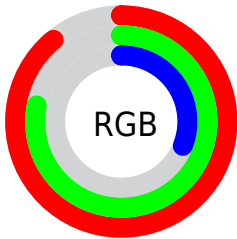
Format	Color
RYB	112, 227, 79
Decimal	14927951
CIELab	80.85, -4.00, 61.88
CIELCh	81, 62.011, 93.700
Yxy	58.2040, 0.4207, 0.4556
Android (android.graphics.Color)	4293118031 (0xFFE3C84F)
YUV	194.2790, -56.8325, 28.6963
Hunter-Lab	76.2915, -7.7615, 41.1228

Details

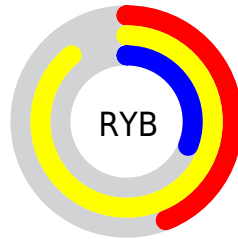
The Yxy color **58.2040, 0.4207, 0.4556** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **17.5223, 0.1940, 0.1528**, and the grayscale version is **54.4448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **28.9263, 0.4407, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **56.0380, 0.4342, 0.4670**, and if you desaturate by 10%, it is **60.5403, 0.4051, 0.4404**.

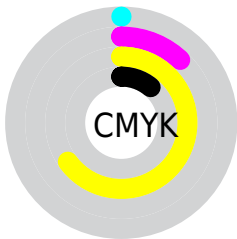
Distribution



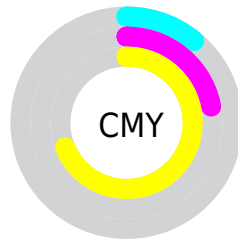
- Red (89%)
- Green (78%)
- Blue (31%)



- Red (44%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (12%)
- Yellow (65%)
- Black (11%)





- Cyan (11%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2040, 0.4207, 0.4556 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 58.2040, 0.4207, 0.4556 by changing the saturation by 10% instead.


 58.2040, 0.4207,
0.4556

 58.2040, 0.4207,
0.4556


417.9457, 0.3730,
0.3983


 41.9727, 0.4300,
0.4672

 102.2199, 0.4052,
0.4367


 29.0799, 0.4403,
0.4805


 130.7732, 0.3988,
0.4290

 19.1413, 0.4513,
0.4952


 164.2027, 0.3932,
0.4222

 11.7724, 0.4626,
0.5114

 202.8926, 0.3882,
0.4163

 6.5889, 0.4723,
0.5277

 247.2275, 0.3838,
0.4110

 3.2064, 0.4682,
0.5318

297.5917, 0.3798,

 1.2404, 0.4610,

0.4063

0.5390

354.3696, 0.3762,
0.4021

■ 0.0943, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2040, 0.4207,
0.4556

■ 58.2040, 0.4207,
0.4556

■ 56.0380, 0.4342,
0.4670

■ 60.5403, 0.4051,
0.4404

■ 54.0216, 0.4451,
0.4738

■ 63.0494, 0.3882,
0.4222

■ 52.1424, 0.4531,
0.4760

■ 65.7436, 0.3707,
0.4021

■ 51.2752, 0.4562,
0.4759

■ 68.6317, 0.3533,
0.3811

■ 71.7215, 0.3364,
0.3600

■ 75.0207, 0.3205,
0.3394

■ 78.5361, 0.3058,
0.3197

■ 81.9067, 0.2955,
0.3067

■ 84.2811, 0.2955,
0.3110

Harmonies

Analogous

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



58.2040, 0.4651, 0.4042



58.2040, 0.4207, 0.4556



58.2040, 0.3507, 0.4776

Triad

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



58.2040, 0.4207, 0.4556



58.2040, 0.1802, 0.2817



58.2040, 0.3371, 0.2438

Complementary

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



58.2040, 0.4207, 0.4556



17.5223, 0.1940, 0.1528

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.



58.2040, 0.2594, 0.2152



58.2040, 0.4207, 0.4556



58.2040, 0.1780, 0.2297

Square

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



58.2040, 0.4207, 0.4556



58.2040, 0.2131, 0.3628



58.2040, 0.2046, 0.2091



58.2040, 0.4169, 0.2897

Rectangle

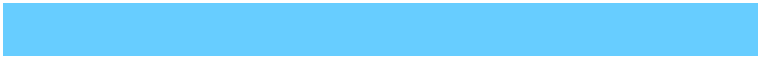
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2040, 0.4207, 0.4556



58.2040, 0.2994, 0.4618



58.2040, 0.2046, 0.2091



58.2040, 0.3095, 0.2320

Sweetspot

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



58.2068, 0.4207, 0.4556



91.3459, 0.3447, 0.3704



22.9706, 0.4866, 0.3014



19.3104, 0.3495, 0.3764



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.



58.2068, 0.4207, 0.4556



72.0591, 0.4382, 0.4698



65.2248, 0.3660, 0.5000



16.3465, 0.3272, 0.3481



30.0615, 0.4556, 0.4765



2.3382, 0.4493, 0.4814

Inverse Universe

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



17.5223, 0.1940, 0.1528



15.7854, 0.1735, 0.1163



15.5686, 0.2192, 0.1352



14.3103, 0.2980, 0.3092



4.2983, 0.1548, 0.0772



0.4410, 0.1617, 0.1021

Previews

White Background



This preview shows how the Yxy color 58.2040, 0.4207, 0.4556 looks on a white background.

Color Contrast Check

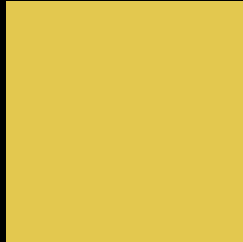
Large Text (above 18pt) WCAG AA × Fail

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 58.2040, 0.4207, 0.4556 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 58.2040, 0.4207, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 58.2040, 0.4207, 0.4556.

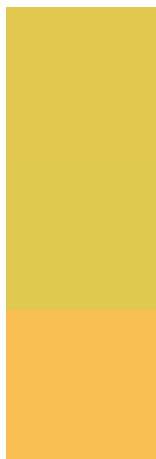


This preview shows how white text looks on a background with the Yxy color 58.2040, 0.4207, 0.4556.

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

58.2040, 0.4207, 0.4556

Protanopia

58.1851, 0.4174, 0.4579

Deuteranopia

58.1948, 0.4451, 0.4348



Tritanopia

57.8094, 0.3427, 0.3127

Trichromacy



Original Color

58.2040, 0.4207, 0.4556

Protanomaly

58.3454, 0.4183, 0.4575

Deuteranomaly

58.0549, 0.4367, 0.4418

Tritanomaly

57.4572, 0.3755, 0.3686

Monochromacy



Original Color

58.2040, 0.4207, 0.4556

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.8687, 0.3548, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2040, 0.4207, 0.4556 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(227, 200, 79)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 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(227, 200, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 79) }
```

Border

The CSS property to change the border of an element to Yxy 58.2040, 0.4207, 0.4556 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(227, 200, 79) }
```

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

```
.border{ border-color:rgb(227, 200, 79) }
```

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

Here you see how a box with a 4 pixel rgb(227, 200, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 200, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 200, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 200,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2040, 0.4207, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 200, 79) }
```

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

```
.background{ background-color: rgb(227,  
200, 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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