

Converting Colors

$Y_{xy}(55.8890, 0.4239, 0.4328)$

Have a look what the booklet for
Yxy(55.8890, 0.4239, 0.4328)
contains.

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Color

Yxy(55.9999, 0.4238, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	EAC05E
RGB	234, 192, 94
RGB Percent	92%, 75%, 37%
CMY	0.0824, 0.2470, 0.6315
CMYK	0.00, 0.18, 0.60, 0.08
HSL	42°, 77%, 64%
HSV	42°, 60%, 92%
XYZ	54.7974, 55.9999, 18.5029
YIQ	193.3860, 56.4900, -21.5740

Conversions

Conversions Part 2

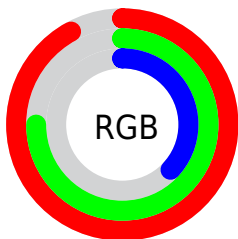
Format	Color
RYB	154, 234, 94
Decimal	15384670
CIELab	79.61, 4.02, 54.07
CIELCh	80, 54.222, 85.752
Yxy	55.9999, 0.4238, 0.4331
Android (android.graphics.Color)	4293574750 (0xFFEAC05E)
YUV	193.3860, -48.9973, 35.6185
Hunter-Lab	74.8331, -0.2492, 37.7234

Details

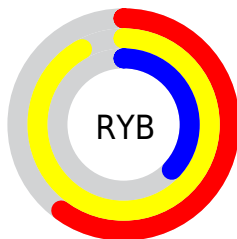
The Yxy color **55.9999, 0.4238, 0.4331** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **25.9103, 0.2085, 0.1912**, and the grayscale version is **53.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5014, 0.3787, 0.4280**, and **27.7393, 0.4473, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **52.6368, 0.4428, 0.4449**, and if you desaturate by 10%, it is **59.6425, 0.4037, 0.4181**.

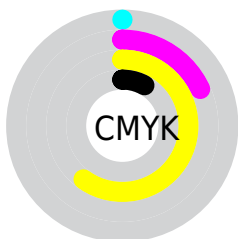
Distribution



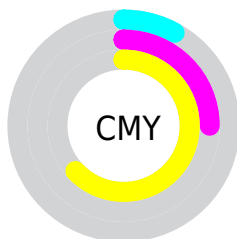
- Red (92%)
- Green (75%)
- Blue (37%)



- Red (60%)
- Yellow (92%)
- Blue (37%)



- Cyan (0%)
- Magenta (18%)
- Yellow (60%)
- Black (8%)




- Cyan (8%)
- Magenta (25%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9999, 0.4238, 0.4331 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 55.9999, 0.4238, 0.4331 by changing the saturation by 10% instead.

 55.9999, 0.4238,
0.4331


 55.9999, 0.4238,
0.4331

409.6911, 0.3726,
0.3861

 40.2028, 0.4347,
0.4427


 99.0044, 0.4065,
0.4175


 27.6967, 0.4473,
0.4537


 126.9807, 0.3996,
0.4112

 18.0972, 0.4619,
0.4659


 159.7855, 0.3936,
0.4057

 11.0198, 0.4782,
0.4786

 197.8032, 0.3883,
0.4008

 6.0801, 0.5025,
0.4975

241.4182, 0.3837,
0.3965

 2.8939, 0.5067,
0.4933

291.0150, 0.3796,

 1.0766, 0.5141,

0.3927

0.4859

346.9778, 0.3759,
0.3892

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9999, 0.4238,
0.4331

■ 55.9999, 0.4238,
0.4331

■ 52.6368, 0.4428,
0.4449

■ 59.6425, 0.4037,
0.4181

■ 49.5311, 0.4599,
0.4523

■ 63.5689, 0.3835,
0.4010


■ 46.6694, 0.4741,
0.4548

■ 67.7931, 0.3639,
0.3827


■ 44.0258, 0.4853,
0.4527


■ 72.3255, 0.3453,
0.3642

 43.9847, 0.4855,
0.4527

 77.1760, 0.3281,
0.3461

 82.3536, 0.3125,
0.3287

 87.6880, 0.2999,
0.3151

 91.9236, 0.2999,
0.3221

 96.2302, 0.2999,
0.3290

Harmonies

Analogous

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



55.9999, 0.4533, 0.3849



55.9999, 0.4238, 0.4331



55.9999, 0.3661, 0.4595

Triad

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



55.9999, 0.4238, 0.4331



55.9999, 0.1987, 0.3052



55.9999, 0.3154, 0.2434

Complementary

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



55.9999, 0.4238, 0.4331



25.9103, 0.2085, 0.1912

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.



55.9999, 0.2499, 0.2225



55.9999, 0.4238, 0.4331



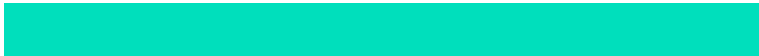
55.9999, 0.1889, 0.2503

Square

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



55.9999, 0.4238, 0.4331



55.9999, 0.2366, 0.3796



55.9999, 0.2063, 0.2236



55.9999, 0.3880, 0.2820

Rectangle

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



55.9999, 0.4238, 0.4331



55.9999, 0.3204, 0.4537



55.9999, 0.2063, 0.2236



55.9999, 0.2917, 0.2342

Sweetspot

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



56.0026, 0.4238, 0.4331



88.9213, 0.3422, 0.3610



27.2671, 0.4416, 0.2842



18.6754, 0.3474, 0.3664



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.



56.0026, 0.4238, 0.4331



63.0104, 0.4473, 0.4472



72.7650, 0.3760, 0.4810



16.8203, 0.3275, 0.3454



24.9505, 0.4842, 0.4537



2.1261, 0.4731, 0.4626

Inverse Universe

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



25.9103, 0.2085, 0.1912



23.6091, 0.1886, 0.1579



18.0754, 0.2152, 0.1448



15.2850, 0.2980, 0.3120



6.0022, 0.1611, 0.0999



0.6343, 0.1687, 0.1271

Previews

White Background



This preview shows how the Yxy color 55.9999, 0.4238, 0.4331 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 55.9999, 0.4238, 0.4331 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 55.9999, 0.4238, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 55.9999, 0.4238, 0.4331.



This preview shows how white text looks on a background with the Yxy color 55.9999, 0.4238, 0.4331.

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

55.9999, 0.4238, 0.4331

Protanopia

56.2928, 0.4056, 0.4432

Deuteranopia

56.0258, 0.4345, 0.4244



Tritanopia

55.8651, 0.3540, 0.3139

Trichromacy



Original Color

55.9999, 0.4238, 0.4331

Protanomaly

56.1534, 0.4118, 0.4401

Deuteranomaly

55.7467, 0.4304, 0.4269

Tritanomaly

55.5173, 0.3824, 0.3591

Monochromacy



Original Color

55.9999, 0.4238, 0.4331

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.9841, 0.3534, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9999, 0.4238, 0.4331 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(234, 192, 94)` looks like.

```
.text, #text, p{  
    color:rgb(234, 192, 94)  
}
```

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(234, 192, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 192, 94) }
```

Border

The CSS property to change the border of an element to Yxy 55.9999, 0.4238, 0.4331 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(234, 192, 94) }
```

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

```
.border{ border-color:rgb(234, 192, 94) }
```

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

Here you see how a box with a 4 pixel rgb(234, 192, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 192, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 192, 94);  
box-shadow:4px 4px 4px 4px rgb(234, 192,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9999, 0.4238, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 192, 94) }
```

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

```
.background{ background-color: rgb(234,  
192, 94) }
```

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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