

Converting Colors

Yxy(64.5038, 0.4157, 0.4570)

Have a look what the booklet for
Yxy(64.5038, 0.4157, 0.4570)
contains.

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Color

Yxy(64.7368, 0.4157, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	EAD355
RGB	234, 211, 85
RGB Percent	92%, 83%, 33%
CMY	0.0825, 0.1725, 0.6665
CMYK	0.00, 0.10, 0.64, 0.08
HSL	51°, 78%, 63%
HSV	51°, 64%, 92%
XYZ	58.8606, 64.7368, 17.9966
YIQ	203.5130, 54.1540, -34.3100

Conversions

Conversions Part 2

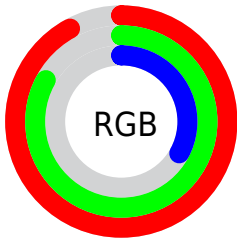
Format	Color
RYB	112, 234, 85
Decimal	15389525
CIELab	84.35, -6.35, 63.25
CIELCh	84, 63.572, 95.731
Yxy	64.7368, 0.4157, 0.4572
Android (android.graphics.Color)	4293579605 (0xFFEAD355)
YUV	203.5130, -58.4269, 26.7371
Hunter-Lab	80.4592, -10.2203, 43.0598

Details

The Yxy color **64.7368, 0.4157, 0.4572** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.5991, 0.1953, 0.1516**, and the grayscale version is **60.4128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **33.3025, 0.4333, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **62.6548, 0.4286, 0.4696**, and if you desaturate by 10%, it is **66.9881, 0.4007, 0.4411**.

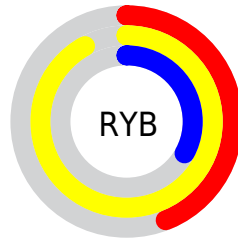
Distribution



Red (92%)

Green (83%)

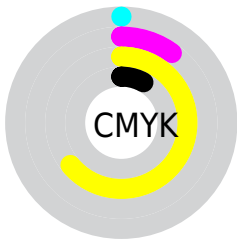
Blue (33%)



Red (44%)

Yellow (92%)

Blue (33%)

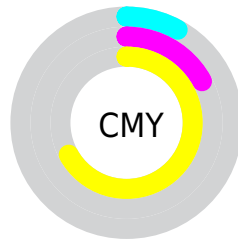


Cyan (0%)

Magenta (10%)

Yellow (64%)

Black (8%)



Cyan (8%)


Magenta (17%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7368, 0.4157, 0.4572 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 64.7368, 0.4157, 0.4572 by changing the saturation by 10% instead.


 64.7368, 0.4157,
0.4572


 64.7368, 0.4157,
0.4572


441.8455, 0.3712,
0.3998


 47.2477, 0.4242,
0.4689


 111.6714, 0.4014,
0.4383

 33.2315, 0.4336,
0.4822


 141.8856, 0.3955,
0.4306

 22.3039, 0.4435,
0.4972


 177.1104, 0.3903,
0.4238

 14.0803, 0.4530,
0.5133

 217.7300, 0.3856,
0.4178

 8.1766, 0.4651,
0.5349

264.1290, 0.3814,
0.4126

 4.2081, 0.4595,
0.5405

316.6916, 0.3777,

 1.7907, 0.4502,

0.4078

375.8023, 0.3743,
0.4036

0.5498

0.4813, 0.3859,
0.6141

0.0000, 0.0000,
0.0000

64.7368, 0.4157,
0.4572

64.7368, 0.4157,
0.4572

62.6548, 0.4286,
0.4696

66.9881, 0.4007,
0.4411

60.7199, 0.4389,
0.4775

69.4106, 0.3843,
0.4221

58.9197, 0.4464,
0.4807

72.0175, 0.3673,
0.4012

57.8313, 0.4499,
0.4810

74.8177, 0.3503,
0.3795

■ 77.8197, 0.3338,
0.3577

■ 81.0312, 0.3182,
0.3365

■ 84.4595, 0.3036,
0.3163

■ 86.9519, 0.2999,
0.3138

■ 89.0954, 0.2999,
0.3175

Harmonies

Analogous

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



64.7368, 0.4619, 0.4076



64.7368, 0.4157, 0.4572



64.7368, 0.3454, 0.4757

Triad

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



64.7368, 0.4157, 0.4572



64.7368, 0.1803, 0.2778



64.7368, 0.3425, 0.2471

Complementary

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



64.7368, 0.4157, 0.4572



18.5991, 0.1953, 0.1516

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.



64.7368, 0.2646, 0.2174



64.7368, 0.4157, 0.4572



64.7368, 0.1800, 0.2284

Square

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



64.7368, 0.4157, 0.4572



64.7368, 0.2109, 0.3566



64.7368, 0.2083, 0.2098



64.7368, 0.4204, 0.2937

Rectangle

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



64.7368, 0.4157, 0.4572



64.7368, 0.2946, 0.4571



64.7368, 0.2083, 0.2098



64.7368, 0.3151, 0.2350

Sweetspot

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



64.7399, 0.4157, 0.4572



92.5895, 0.3427, 0.3695



25.1153, 0.4843, 0.3042



19.5964, 0.3475, 0.3758



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.



64.7399, 0.4157, 0.4572



75.5156, 0.4317, 0.4721



69.7184, 0.3636, 0.4980



17.2083, 0.3272, 0.3488



32.6574, 0.4493, 0.4814



2.6712, 0.4445, 0.4853

Inverse Universe

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



18.5991, 0.1953, 0.1516



15.7139, 0.1747, 0.1157



17.5686, 0.2237, 0.1402



14.9238, 0.2980, 0.3084



4.1646, 0.1536, 0.0731



0.4413, 0.1596, 0.0946

Previews

White Background



This preview shows how the Yxy color 64.7368, 0.4157, 0.4572 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 64.7368, 0.4157, 0.4572 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 64.7368, 0.4157, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 64.7368, 0.4157, 0.4572.



This preview shows how white text looks on a background with the Yxy color 64.7368, 0.4157, 0.4572.

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

64.7368, 0.4157, 0.4572

Protanopia

64.7368, 0.4157, 0.4572

Deuteranopia

64.7389, 0.4210, 0.4164



Tritanopia

64.6047, 0.3388, 0.3133

Trichromacy



Original Color

64.7368, 0.4157, 0.4572

Protanomaly

64.7368, 0.4157, 0.4572

Deuteranomaly

64.4363, 0.4197, 0.4314

Tritanomaly

64.1658, 0.3713, 0.3693

Monochromacy



Original Color

64.7368, 0.4157, 0.4572

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.6459, 0.3525, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7368, 0.4157, 0.4572 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, 211, 85)` looks like.

```
.text, #text, p{  
    color:rgb(234, 211, 85)  
}
```

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, 211, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 211, 85) }
```

Border

The CSS property to change the border of an element to Yxy 64.7368, 0.4157, 0.4572 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, 211, 85) }
```

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

```
.border{ border-color:rgb(234, 211, 85) }
```

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

Here you see how a box with a 4 pixel rgb(234, 211, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 211, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 211, 85);  
box-shadow:4px 4px 4px 4px rgb(234, 211,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7368, 0.4157, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 211, 85) }
```

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

```
.background{ background-color: rgb(234,  
211, 85) }
```

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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