

Converting Colors

$Yxy(51.7638, 0.4316, 0.4507)$

Have a look what the booklet for
Yxy(51.7638, 0.4316, 0.4507)
contains.

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Color

Yxy(51.8558, 0.4318, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	E0BB48
RGB	224, 187, 72
RGB Percent	88%, 73%, 28%
CMY	0.1216, 0.2666, 0.7177
CMYK	0.00, 0.17, 0.68, 0.12
HSL	45°, 71%, 58%
HSV	45°, 68%, 88%
XYZ	49.6812, 51.8558, 13.5191
YIQ	184.9530, 58.9670, -27.9210

Conversions

Conversions Part 2

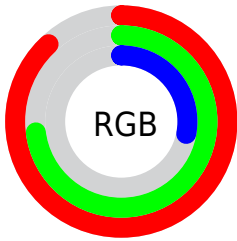
Format	Color
RYB	121, 224, 72
Decimal	14728008
CIELab	77.19, 1.07, 60.90
CIELCh	77, 60.914, 88.996
Yxy	51.8558, 0.4318, 0.4507
Android (android.graphics.Color)	4292918088 (0xFFE0BB48)
YUV	184.9530, -55.6858, 34.2442
Hunter-Lab	72.0110, -2.8699, 39.2768

Details

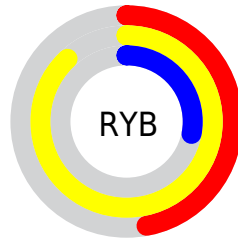
The Yxy color **51.8558, 0.4318, 0.4507** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **17.6942, 0.1927, 0.1579**, and the grayscale version is **48.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8675, 0.3924, 0.4424**, and **25.0649, 0.4551, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **49.3476, 0.4470, 0.4601**, and if you desaturate by 10%, it is **54.5633, 0.4146, 0.4373**.

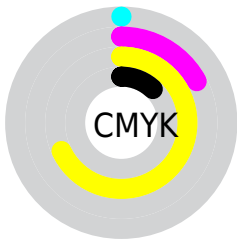
Distribution



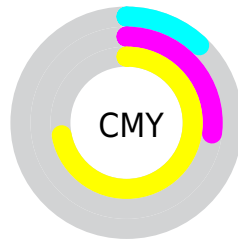
- Red (88%)
- Green (73%)
- Blue (28%)



- Red (47%)
- Yellow (88%)
- Blue (28%)



- Cyan (0%)
- Magenta (17%)
- Yellow (68%)
- Black (12%)





- Cyan (12%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8558, 0.4318, 0.4507 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 51.8558, 0.4318, 0.4507 by changing the saturation by 10% instead.


 51.8558, 0.4318,
0.4507

 51.8558, 0.4318,
0.4507


393.8797, 0.3777,
0.3957


 36.8901, 0.4427,
0.4616


 92.9185, 0.4139,
0.4327

 25.1224, 0.4548,
0.4737


 119.7844, 0.4067,
0.4253


 16.1683, 0.4680,
0.4866


 151.3858, 0.4003,
0.4188

 9.6433, 0.4850,
0.5032

 188.1072, 0.3947,
0.4131

 5.1631, 0.4916,
0.5084

 230.3328, 0.3897,
0.4080

 2.3433, 0.4929,
0.5071

278.4472, 0.3852,

 0.7965, 0.4958,

0.4035

0.5042

332.8347, 0.3812,
0.3994

0.0000, 0.0000,
0.0000

51.8558, 0.4318,
0.4507

51.8558, 0.4318,
0.4507

49.3476, 0.4470,
0.4601

54.5633, 0.4146,
0.4373

47.0180, 0.4595,
0.4647

57.4739, 0.3962,
0.4208

44.8515, 0.4689,
0.4647

60.6002, 0.3774,
0.4022

44.4039, 0.4708,
0.4644

63.9514, 0.3589,
0.3827

67.5359, 0.3413,
0.3630

■ 71.3615, 0.3248,
0.3436

■ 75.4357, 0.3096,
0.3251

■ 79.7655, 0.2957,
0.3077

■ 83.1015, 0.2936,
0.3096

Harmonies

Analogous

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



51.8558, 0.4715, 0.3959



51.8558, 0.4318, 0.4507



51.8558, 0.3632, 0.4805

Triad

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



51.8558, 0.4318, 0.4507



51.8558, 0.1810, 0.2919



51.8558, 0.3241, 0.2364

Complementary

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



51.8558, 0.4318, 0.4507



17.6942, 0.1927, 0.1579

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.



51.8558, 0.2477, 0.2107



51.8558, 0.4318, 0.4507



51.8558, 0.1741, 0.2338

Square

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



51.8558, 0.4318, 0.4507



51.8558, 0.2192, 0.3777



51.8558, 0.1965, 0.2084



51.8558, 0.4075, 0.2807

Rectangle

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



51.8558, 0.4318, 0.4507



51.8558, 0.3111, 0.4713



51.8558, 0.1965, 0.2084



51.8558, 0.2966, 0.2254

Sweetspot

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



51.8583, 0.4318, 0.4507



89.4738, 0.3452, 0.3674



21.6069, 0.4815, 0.2900



18.8572, 0.3502, 0.3730



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.



51.8583, 0.4318, 0.4507



65.0092, 0.4520, 0.4624



64.2205, 0.3748, 0.5006



15.4347, 0.3273, 0.3466



26.0335, 0.4699, 0.4651



1.9413, 0.4604, 0.4726

Inverse Universe

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



17.6942, 0.1927, 0.1579



16.7307, 0.1731, 0.1221



13.3299, 0.2066, 0.1240



13.7824, 0.2981, 0.3107



4.8477, 0.1578, 0.0880



0.4751, 0.1659, 0.1173

Previews

White Background



This preview shows how the Yxy color 51.8558, 0.4318, 0.4507 looks on a white background.

Color Contrast Check

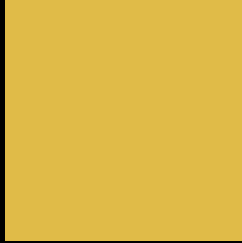
Large Text (above 18pt) WCAG AA × Fail

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 51.8558, 0.4318, 0.4507 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 51.8558, 0.4318, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 51.8558, 0.4318, 0.4507.



This preview shows how white text looks on a background with the Yxy color 51.8558, 0.4318, 0.4507.

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

51.8558, 0.4318, 0.4507

Protanopia

51.8888, 0.4184, 0.4592

Deuteranopia

51.7193, 0.4478, 0.4368



Tritanopia

51.6577, 0.3526, 0.3134

Trichromacy



Original Color

51.8558, 0.4318, 0.4507

Protanomaly

52.0597, 0.4227, 0.4563

Deuteranomaly

51.6717, 0.4424, 0.4418

Tritanomaly

51.1385, 0.3872, 0.3671

Monochromacy



Original Color

51.8558, 0.4318, 0.4507

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.2735, 0.3580, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8558, 0.4318, 0.4507 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(224, 187, 72)` looks like.

```
.text, #text, p{  
    color:rgb(224, 187, 72)  
}
```

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(224, 187, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 187, 72) }
```

Border

The CSS property to change the border of an element to Yxy 51.8558, 0.4318, 0.4507 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(224, 187, 72) }
```

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

```
.border{ border-color:rgb(224, 187, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 187, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 187, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 187, 72);  
box-shadow:4px 4px 4px 4px rgb(224, 187,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8558, 0.4318, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 187, 72) }
```

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

```
.background{ background-color: rgb(224,  
187, 72) }
```

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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