

Converting Colors

Yxy(53.2188, 0.4408, 0.4474)

Have a look what the booklet for
Yxy(53.2188, 0.4408, 0.4474)
contains.

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Color

Yxy(53.3065, 0.4406, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	E9BB46
RGB	233, 187, 70
RGB Percent	91%, 73%, 27%
CMY	0.0864, 0.2666, 0.7256
CMYK	0.00, 0.20, 0.70, 0.09
HSL	43°, 79%, 59%
HSV	43°, 70%, 91%
XYZ	52.4728, 53.3065, 13.3147
YIQ	187.4160, 64.9730, -26.6350

Conversions

Conversions Part 2

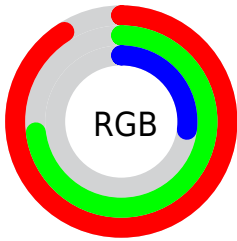
Format	Color
RYB	134, 233, 70
Decimal	15317830
CIELab	78.06, 4.76, 62.89
CIELCh	78, 63.074, 85.670
Yxy	53.3065, 0.4406, 0.4476
Android (android.graphics.Color)	4293507910 (0xFFE9BB46)
YUV	187.4160, -57.8861, 39.9772
Hunter-Lab	73.0113, 0.5172, 40.2955

Details

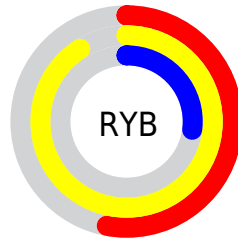
The Yxy color **53.3065, 0.4406, 0.4476** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **19.6595, 0.1912, 0.1602**, and the grayscale version is **50.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8164, 0.3935, 0.4440**, and **25.9388, 0.4650, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **50.3458, 0.4568, 0.4553**, and if you desaturate by 10%, it is **56.5139, 0.4223, 0.4356**.

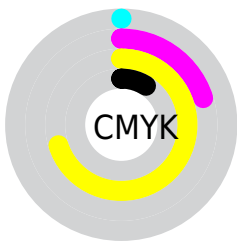
Distribution



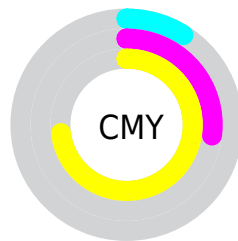
- Red (91%)
- Green (73%)
- Blue (27%)



- Red (53%)
- Yellow (91%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (70%)
- Black (9%)




- Cyan (9%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3065, 0.4406, 0.4476 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 53.3065, 0.4406, 0.4476 by changing the saturation by 10% instead.


 53.3065, 0.4406,
0.4476


 53.3065, 0.4406,
0.4476


399.4599, 0.3826,
0.3954


 38.0475, 0.4522,
0.4575


 95.0552, 0.4215,
0.4309


 26.0196, 0.4652,
0.4682


 122.3137, 0.4137,
0.4239

 16.8383, 0.4793,
0.4791


 154.3409, 0.4069,
0.4177

 10.1193, 0.4978,
0.4929

 191.5211, 0.4009,
0.4122

 5.4781, 0.5059,
0.4941

 234.2387, 0.3955,
0.4073

 2.5304, 0.5112,
0.4888

282.8781, 0.3908,

 0.8918, 0.5210,

0.4029

0.4790

337.8237, 0.3865,
0.3990

0.0000, 0.0000,
0.0000

53.3065, 0.4406,
0.4476

53.3065, 0.4406,
0.4476

50.3458, 0.4568,
0.4553

56.5139, 0.4223,
0.4356

47.6084, 0.4702,
0.4581

59.9737, 0.4028,
0.4203

45.0711, 0.4808,
0.4564

63.7004, 0.3830,
0.4028

45.0612, 0.4808,
0.4564

67.7049, 0.3637,
0.3842

71.9973, 0.3454,
0.3653

■ 76.5867, 0.3283,
0.3467

■ 81.4822, 0.3127,
0.3289

■ 86.6038, 0.2993,
0.3135

■ 90.5323, 0.2993,
0.3201

Harmonies

Analogous

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



53.3065, 0.4771, 0.3900



53.3065, 0.4406, 0.4476



53.3065, 0.3726, 0.4833

Triad

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



53.3065, 0.4406, 0.4476



53.3065, 0.1808, 0.2993



53.3065, 0.3147, 0.2304

Complementary

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



53.3065, 0.4406, 0.4476



19.6595, 0.1912, 0.1602

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.



53.3065, 0.2389, 0.2067



53.3065, 0.4406, 0.4476



53.3065, 0.1705, 0.2363

Square

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



53.3065, 0.4406, 0.4476



53.3065, 0.2231, 0.3893



53.3065, 0.1900, 0.2071



53.3065, 0.4011, 0.2738

Rectangle

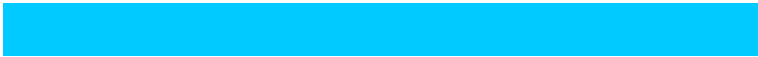
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3065, 0.4406, 0.4476



53.3065, 0.3196, 0.4790



53.3065, 0.1900, 0.2071



53.3065, 0.2871, 0.2201

Sweetspot

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



53.3091, 0.4406, 0.4476



87.7606, 0.3474, 0.3675



22.9620, 0.4816, 0.2840



18.4662, 0.3524, 0.3727



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.



53.3091, 0.4406, 0.4476



60.2732, 0.4632, 0.4572



70.6629, 0.3797, 0.5022



16.8674, 0.3275, 0.3458



25.7961, 0.4796, 0.4574



2.1872, 0.4693, 0.4655

Inverse Universe

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



19.6595, 0.1912, 0.1602



17.0321, 0.1721, 0.1240



13.2813, 0.1988, 0.1160



15.2404, 0.2980, 0.3116



5.7099, 0.1600, 0.0958



0.6066, 0.1674, 0.1227

Previews

White Background



This preview shows how the Yxy color 53.3065, 0.4406, 0.4476 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 53.3065, 0.4406, 0.4476 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 53.3065, 0.4406, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 53.3065, 0.4406, 0.4476.



This preview shows how white text looks on a background with the Yxy color 53.3065, 0.4406, 0.4476.

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

53.3065, 0.4406, 0.4476

Protanopia

53.6504, 0.4193, 0.4611

Deuteranopia

53.4367, 0.4494, 0.4402



Tritanopia

53.2113, 0.3606, 0.3139

Trichromacy



Original Color

53.3065, 0.4406, 0.4476

Protanomaly

53.2461, 0.4274, 0.4561

Deuteranomaly

53.3300, 0.4460, 0.4426

Tritanomaly

52.6662, 0.3954, 0.3659

Monochromacy



Original Color

53.3065, 0.4406, 0.4476

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.3916, 0.3622, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3065, 0.4406, 0.4476 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, 187, 70)` looks like.

```
.text, #text, p{  
    color:rgb(233, 187, 70)  
}
```

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, 187, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 187, 70) }
```

Border

The CSS property to change the border of an element to Yxy 53.3065, 0.4406, 0.4476 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, 187, 70) }
```

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

```
.border{ border-color:rgb(233, 187, 70) }
```

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

Here you see how a box with a 4 pixel rgb(233, 187, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 187, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 187, 70);  
box-shadow:4px 4px 4px 4px rgb(233, 187,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3065, 0.4406, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 187, 70) }
```

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

```
.background{ background-color: rgb(233,  
187, 70) }
```

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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