

Converting Colors

$Yxy(55.0541, 0.4567, 0.4756)$

Have a look what the booklet for
Yxy(55.0541, 0.4567, 0.4756)
contains.

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Color

Yxy(54.9238, 0.4574, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	EBBF00
RGB	235, 191, 0
RGB Percent	92%, 75%, 0%
CMY	0.0785, 0.2509, 0.9995
CMYK	0.00, 0.19, 1.00, 0.08
HSL	49°, 100%, 46%
HSV	49°, 100%, 92%
XYZ	52.8887, 54.9238, 7.8165
YIQ	182.3820, 87.5350, -50.0730

Conversions

Conversions Part 2

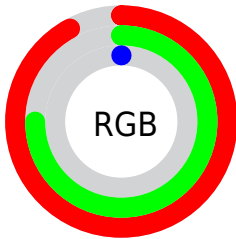
Format	Color
RYB	54, 235, 0
Decimal	15449856
CIELab	79.00, 1.78, 80.67
CIElCh	79, 80.687, 88.733
Yxy	54.9238, 0.4574, 0.4750
Android (android.graphics.Color)	4293639936 (0xFFEBBF00)
YUV	182.3820, -89.9143, 46.1460
Hunter-Lab	74.1106, -2.3077, 45.6240

Details

The Yxy color **54.9238, 0.4574, 0.4750** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed orange. A complement of this color would be **7.8061, 0.1544, 0.0758**, and the grayscale version is **47.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4061, 0.4096, 0.4761**, and **27.1756, 0.4611, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **54.9168, 0.4574, 0.4750**, and if you desaturate by 10%, it is **56.9386, 0.4504, 0.4747**.

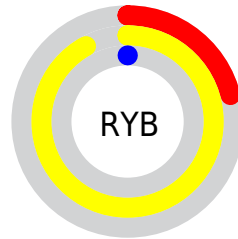
Distribution



Red (92%)

Green (75%)

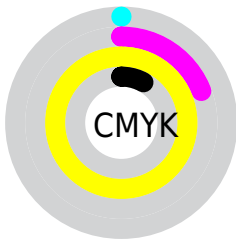
Blue (0%)



Red (21%)

Yellow (92%)

Blue (0%)

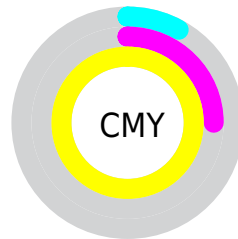


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9238, 0.4574, 0.4750 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 54.9238, 0.4574, 0.4750 by changing the saturation by 10% instead.


 54.9238, 0.4574,
0.4750


 54.9238, 0.4574,
0.4750


405.6230, 0.3969,
0.4148


 39.3407, 0.4674,
0.4846

 97.4293, 0.4391,
0.4570


 27.0249, 0.4774,
0.4940


 125.1205, 0.4311,
0.4491

 17.5919, 0.4883,
0.5041


 157.6165, 0.4239,
0.4419

 10.6574, 0.4929,
0.5071

 195.3018, 0.4173,
0.4354

 5.8370, 0.4942,
0.5058

 238.5607, 0.4114,
0.4294

 2.7462, 0.4961,
0.5039

 287.7776, 0.4061,


 1.0007, 0.4996,


0.4241


0.5004


343.3369, 0.4013,
0.4192


 0.0000, 0.0000,
0.0000


 54.9238, 0.4574,
0.4750


 54.9238, 0.4574,
0.4750


 54.9168, 0.4574,
0.4750

 56.9386, 0.4504,
0.4747

 59.0866, 0.4407,
0.4702

 61.3952, 0.4282,
0.4611

 63.8793, 0.4134,
0.4476

 66.5514, 0.3968,
0.4308

■ 69.4225, 0.3794,
0.4116

■ 72.5026, 0.3617,
0.3909

■ 75.8007, 0.3445,
0.3699

■ 79.3252, 0.3280,
0.3490

Harmonies

Analogous

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



54.9238, 0.5124, 0.4025



54.9238, 0.4574, 0.4750



54.9238, 0.3702, 0.5250

Triad

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



54.9238, 0.4574, 0.4750



54.9238, 0.1495, 0.2779



54.9238, 0.3245, 0.2140

Complementary

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



54.9238, 0.4574, 0.4750



7.8061, 0.1544, 0.0758

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.



54.9238, 0.2291, 0.1837



54.9238, 0.4574, 0.4750



54.9238, 0.1429, 0.2078

Square

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



54.9238, 0.4574, 0.4750



54.9238, 0.1933, 0.3928



54.9238, 0.1688, 0.1799



54.9238, 0.4341, 0.2663

Rectangle

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



54.9238, 0.4574, 0.4750



54.9238, 0.3056, 0.5201



54.9238, 0.1688, 0.1799



54.9238, 0.2894, 0.2012

Sweetspot

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



54.9265, 0.4574, 0.4750



87.2141, 0.3620, 0.3913



17.8681, 0.6105, 0.3137



18.3250, 0.3695, 0.4002



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.



54.9265, 0.4574, 0.4750



66.0105, 0.4576, 0.4748



67.3568, 0.3665, 0.5471



17.1196, 0.3273, 0.3480



30.7448, 0.4567, 0.4756



2.5380, 0.4506, 0.4804

Inverse Universe

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



7.8061, 0.1544, 0.0758



9.3129, 0.1542, 0.0752



7.3234, 0.1689, 0.0704



15.0052, 0.2980, 0.3093



4.4764, 0.1550, 0.0778



0.4798, 0.1615, 0.1014

Previews

White Background



This preview shows how the Yxy color 54.9238, 0.4574, 0.4750 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 54.9238, 0.4574, 0.4750 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 54.9238, 0.4574, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 54.9238, 0.4574, 0.4750.

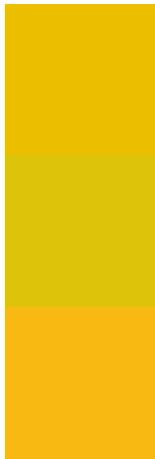


This preview shows how white text looks on a background with the Yxy color 54.9238, 0.4574, 0.4750.

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

54.9238, 0.4574, 0.4750

Protanopia

54.8739, 0.4400, 0.4867

Deuteranopia

55.1179, 0.4709, 0.4603



Tritanopia

55.0149, 0.3607, 0.3151

Trichromacy



Original Color

54.9238, 0.4574, 0.4750

Protanomaly

54.7655, 0.4465, 0.4824

Deuteranomaly

55.0453, 0.4658, 0.4661

Tritanomaly

53.9729, 0.4154, 0.3953

Monochromacy



Original Color

54.9238, 0.4574, 0.4750

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3764, 0.3828, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9238, 0.4574, 0.4750 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(235, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 191, 0)  
}
```

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(235, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 54.9238, 0.4574, 0.4750 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(235, 191, 0) }
```

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

```
.border{ border-color:rgb(235, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9238, 0.4574, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 191, 0) }
```

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

```
.background{ background-color: rgb(235,  
191, 0) }
```

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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