

Converting Colors

$Y_{xy}(55.0415, 0.4592, 0.4701)$

Have a look what the booklet for
Yxy(55.0415, 0.4592, 0.4701)
contains.

Yxy(55.0415, 0.4592, 0.4701)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.0415, 0.4592, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	EEBE10
RGB	238, 190, 16
RGB Percent	93%, 75%, 6%
CMY	0.0667, 0.2549, 0.9375
CMYK	0.00, 0.20, 0.93, 0.07
HSL	47°, 87%, 50%
HSV	47°, 93%, 93%
XYZ	53.7653, 55.0415, 8.2779
YIQ	184.5160, 84.4620, -43.9380

Conversions

Conversions Part 2

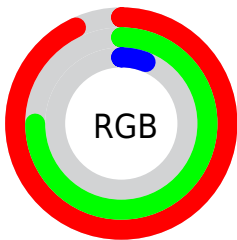
Format	Color
R _Y B	77, 238, 16
Decimal	15646224
CIE Lab	79.07, 3.75, 79.18
CIE LCh	79, 79.268, 87.288
Yxy	55.0415, 0.4592, 0.4701
Android (android.graphics.Color)	4293836304 (0xFFEEBE10)
YUV	184.5160, -83.0784, 46.9055
Hunter-Lab	74.1900, -0.4739, 45.3176

Details

The Yxy color **55.0415, 0.4592, 0.4701** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **9.9416, 0.1599, 0.0910**, and the grayscale version is **48.6660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8761, 0.4083, 0.4724**, and **27.2384, 0.4657, 0.4684** is the 20% darker color. If you saturate the color by 10%, you get **53.5315, 0.4643, 0.4695**, and if you desaturate by 10%, it is **57.4261, 0.4495, 0.4677**.

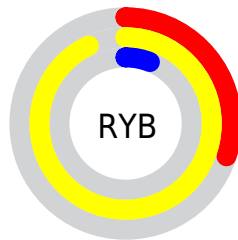
Distribution



Red (93%)

Green (75%)

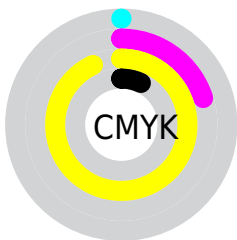
Blue (6%)



Red (30%)

Yellow (93%)

Blue (6%)

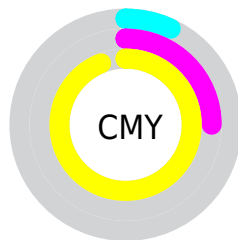


Cyan (0%)

Magenta (20%)

Yellow (93%)

Black (7%)



Cyan (7%)


Magenta (25%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0415, 0.4592, 0.4701 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 55.0415, 0.4592, 0.4701 by changing the saturation by 10% instead.


 55.0415, 0.4592,
0.4701

 55.0415, 0.4592,
0.4701

406.0692, 0.3972,
0.4121


 39.4349, 0.4698,
0.4794

 97.6018, 0.4402,
0.4528

 27.0983, 0.4805,
0.4884

 125.3243, 0.4320,
0.4452


 17.6470, 0.4920,
0.4974


 157.8542, 0.4246,
0.4382

 10.6969, 0.4991,
0.5009

 195.5759, 0.4180,
0.4319

 5.8634, 0.5016,
0.4984

 238.8739, 0.4120,
0.4262

 2.7622, 0.5057,
0.4943

 288.1326, 0.4066,

 1.0089, 0.5129,

0.4211

0.4871

343.7362, 0.4017,
0.4164

■ 0.0000, 0.0000,
0.0000

■ 55.0415, 0.4592,
0.4701

■ 55.0415, 0.4592,
0.4701

■ 53.5315, 0.4643,
0.4695

■ 57.4261, 0.4495,
0.4677

■ 59.9867, 0.4368,
0.4606

■ 62.7427, 0.4216,
0.4489

■ 65.7080, 0.4046,
0.4335

■ 68.8947, 0.3866,
0.4155

■ 72.3137, 0.3684,
0.3958

■ 75.9748, 0.3506,
0.3754

■ 79.8873, 0.3336,
0.3550

■ 84.0597, 0.3177,
0.3353

Harmonies

Analogous

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



55.0415, 0.5107, 0.3987



55.0415, 0.4592, 0.4701



55.0415, 0.3744, 0.5205

Triad

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



55.0415, 0.4592, 0.4701



55.0415, 0.1531, 0.2837



55.0415, 0.3193, 0.2137

Complementary

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



55.0415, 0.4592, 0.4701



9.9416, 0.1599, 0.0910

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.



55.0415, 0.2267, 0.1849



55.0415, 0.4592, 0.4701



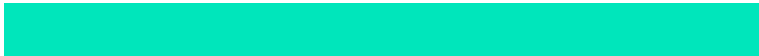
55.0415, 0.1447, 0.2121

Square

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



55.0415, 0.4592, 0.4701



55.0415, 0.1985, 0.3976



55.0415, 0.1688, 0.1826



55.0415, 0.4272, 0.2645

Rectangle

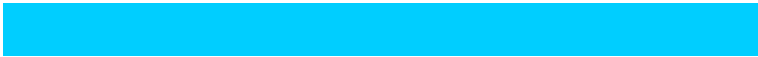
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0415, 0.4592, 0.4701



55.0415, 0.3108, 0.5180



55.0415, 0.1688, 0.1826



55.0415, 0.2851, 0.2013

Sweetspot

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



55.0442, 0.4592, 0.4701



86.7713, 0.3591, 0.3852



18.9160, 0.5878, 0.3057



18.1809, 0.3668, 0.3940



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.



55.0442, 0.4592, 0.4701



62.5192, 0.4645, 0.4694



70.3063, 0.3715, 0.5401



17.8454, 0.3274, 0.3474



30.0643, 0.4635, 0.4702



2.6433, 0.4565, 0.4757

Inverse Universe

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



9.9416, 0.1599, 0.0910



9.9625, 0.1555, 0.0798



8.1980, 0.1735, 0.0756



15.7824, 0.2980, 0.3099



4.9398, 0.1563, 0.0825



0.5525, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 55.0415, 0.4592, 0.4701 looks on a white background.

Color Contrast Check

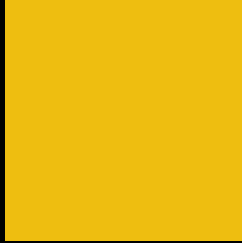
Large Text (above 18pt) WCAG AA × Fail

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 55.0415, 0.4592, 0.4701 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 55.0415, 0.4592, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 55.0415, 0.4592, 0.4701.

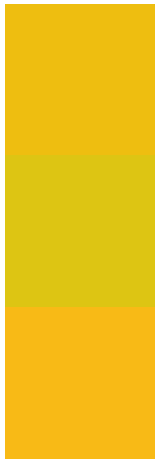


This preview shows how white text looks on a background with the Yxy color 55.0415, 0.4592, 0.4701.

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

55.0415, 0.4592, 0.4701

Protanopia

55.3517, 0.4380, 0.4859

Deuteranopia

55.1322, 0.4702, 0.4595



Tritanopia

55.1184, 0.3645, 0.3152

Trichromacy



Original Color

55.0415, 0.4592, 0.4701

Protanomaly

54.9581, 0.4460, 0.4799

Deuteranomaly

54.8243, 0.4664, 0.4632

Tritanomaly

54.2213, 0.4146, 0.3885

Monochromacy



Original Color

55.0415, 0.4592, 0.4701

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.8333, 0.3784, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0415, 0.4592, 0.4701 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(238, 190, 16)` looks like.

```
.text, #text, p{  
    color:rgb(238, 190, 16)  
}
```

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(238, 190, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 190, 16) }
```

Border

The CSS property to change the border of an element to Yxy 55.0415, 0.4592, 0.4701 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(238, 190, 16) }
```

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

```
.border{ border-color:rgb(238, 190, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 190, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 190, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 190, 16);  
box-shadow:4px 4px 4px 4px rgb(238, 190,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0415, 0.4592, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 190, 16) }
```

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

```
.background{ background-color: rgb(238,  
190, 16) }
```

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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