

Converting Colors

$Y_{xy}(44.4598, 0.4514, 0.4240)$

Have a look what the booklet for
Yxy(44.4598, 0.4514, 0.4240)
contains.

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Color

Yxy(44.4663, 0.4509, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	E5A64D
RGB	229, 166, 77
RGB Percent	90%, 65%, 30%
CMY	0.1020, 0.3490, 0.6979
CMYK	0.00, 0.28, 0.66, 0.10
HSL	35°, 74%, 60%
HSV	35°, 66%, 90%
XYZ	47.2874, 44.4663, 13.1197
YIQ	174.6910, 66.1170, -14.3230

Conversions

Conversions Part 2

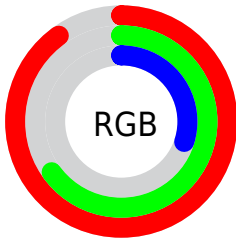
Format	Color
RYB	185, 229, 77
Decimal	15050317
CIELab	72.54, 14.56, 53.87
CIElCh	73, 55.803, 74.877
Yxy	44.4663, 0.4509, 0.4240
Android (android.graphics.Color)	4293240397 (0xFFE5A64D)
YUV	174.6910, -48.1617, 47.6290
Hunter-Lab	66.6831, 9.8855, 35.0130

Details

The Yxy color **44.4663, 0.4509, 0.4240** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.9992, 0.2040, 0.1995**, and the grayscale version is **42.9329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5579, 0.4014, 0.4212**, and **20.5315, 0.4830, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **40.8751, 0.4739, 0.4309**, and if you desaturate by 10%, it is **48.4304, 0.4268, 0.4132**.

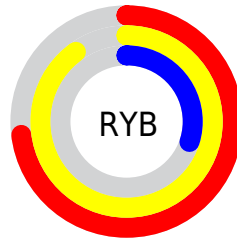
Distribution



Red (90%)

Green (65%)

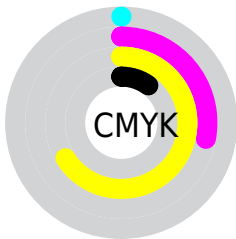
Blue (30%)



Red (73%)

Yellow (90%)

Blue (30%)

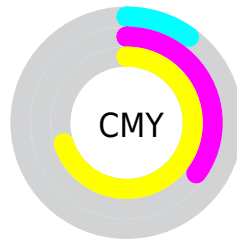


Cyan (0%)

Magenta (28%)

Yellow (66%)

Black (10%)



Cyan (10%)


Magenta (35%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4663, 0.4509, 0.4240 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 44.4663, 0.4509, 0.4240 by changing the saturation by 10% instead.

 44.4663, 0.4509,
0.4240


 44.4663, 0.4509,
0.4240


364.6077, 0.3842,
0.3821


 31.0373, 0.4656,
0.4317


 81.9190, 0.4279,
0.4106

 20.6272, 0.4830,
0.4399

 106.7114, 0.4188,
0.4050


 12.8518, 0.5032,
0.4474

 136.0603, 0.4110,
0.4001

 7.3266, 0.5324,
0.4578

 170.3503, 0.4042,
0.3956

 3.6672, 0.5501,
0.4499

 209.9656, 0.3983,
0.3917

 1.4892, 0.5707,
0.4293

255.2907, 0.3930,

 0.2811, 0.6889,

0.3882

0.3111

306.7099, 0.3884,
0.3850

0.0000, 0.0000,
0.0000

44.4663, 0.4509,
0.4240

44.4663, 0.4509,
0.4240

40.8751, 0.4739,
0.4309

48.4304, 0.4268,
0.4132

37.6322, 0.4946,
0.4328

52.7769, 0.4030,
0.3996

34.7184, 0.5117,
0.4294

57.5225, 0.3802,
0.3845

33.7271, 0.5175,
0.4273

62.6809, 0.3591,
0.3688

68.2647, 0.3399,
0.3532

■ 74.2860, 0.3226,
0.3382

■ 80.7563, 0.3074,
0.3239

■ 87.3445, 0.2968,
0.3158

■ 93.1400, 0.2969,
0.3254

Harmonies

Analogous

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



44.4663, 0.4693, 0.3673



44.4663, 0.4509, 0.4240



44.4663, 0.3956, 0.4669

Triad

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



44.4663, 0.4509, 0.4240



44.4663, 0.1988, 0.3304



44.4663, 0.2868, 0.2248

Complementary

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



44.4663, 0.4509, 0.4240



25.9992, 0.2040, 0.1995

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.



44.4663, 0.2230, 0.2101



44.4663, 0.4509, 0.4240



44.4663, 0.1777, 0.2596

Square

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



44.4663, 0.4509, 0.4240



44.4663, 0.2500, 0.4152



44.4663, 0.1862, 0.2202



44.4663, 0.3675, 0.2602

Rectangle

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



44.4663, 0.4509, 0.4240



44.4663, 0.3475, 0.4750



44.4663, 0.1862, 0.2202



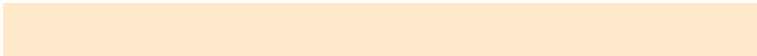
44.4663, 0.2629, 0.2173

Sweetspot

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



44.4685, 0.4509, 0.4240



84.3863, 0.3469, 0.3590



23.8741, 0.4362, 0.2622



17.6314, 0.3523, 0.3635



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.



44.4685, 0.4509, 0.4240



50.4155, 0.4828, 0.4324



71.2171, 0.3938, 0.4854



15.7632, 0.3278, 0.3428



19.5287, 0.5156, 0.4288



1.6253, 0.4977, 0.4430

Inverse Universe

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



25.9992, 0.2040, 0.1995



25.4071, 0.1857, 0.1676



13.1296, 0.1914, 0.1197



14.8636, 0.2981, 0.3149



8.1301, 0.1697, 0.1310



0.7805, 0.1777, 0.1597

Previews

White Background



This preview shows how the Yxy color 44.4663, 0.4509, 0.4240 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 44.4663, 0.4509, 0.4240 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 44.4663, 0.4509, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 44.4663, 0.4509, 0.4240.



This preview shows how white text looks on a background with the Yxy color 44.4663, 0.4509, 0.4240.

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

44.4663, 0.4509, 0.4240

Protanopia

44.8400, 0.4089, 0.4483

Deuteranopia

44.6434, 0.4409, 0.4326



Tritanopia

44.2663, 0.3794, 0.3156

Trichromacy



Original Color

44.4663, 0.4509, 0.4240

Protanomaly

44.4066, 0.4238, 0.4389

Deuteranomaly

44.7450, 0.4445, 0.4302

Tritanomaly

44.2145, 0.4091, 0.3579

Monochromacy



Original Color

44.4663, 0.4509, 0.4240

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.9712, 0.3632, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4663, 0.4509, 0.4240 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(229, 166, 77)` looks like.

```
.text, #text, p{  
    color:rgb(229, 166, 77)  
}
```

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(229, 166, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 166, 77) }
```

Border

The CSS property to change the border of an element to Yxy 44.4663, 0.4509, 0.4240 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(229, 166, 77) }
```

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

```
.border{ border-color:rgb(229, 166, 77) }
```

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

Here you see how a box with a 4 pixel rgb(229, 166, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 166, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 166, 77);  
box-shadow:4px 4px 4px 4px rgb(229, 166,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4663, 0.4509, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 166, 77) }
```

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

```
.background{ background-color: rgb(229,  
166, 77) }
```

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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