

Converting Colors

$Y_{xy}(44.6152, 0.4509, 0.4105)$

Have a look what the booklet for
Yxy(44.6152, 0.4509, 0.4105)
contains.

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Color

Yxy(44.5447, 0.4517, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	EBA357
RGB	235, 163, 87
RGB Percent	92%, 64%, 34%
CMY	0.0785, 0.3607, 0.6589
CMYK	0.00, 0.31, 0.63, 0.08
HSL	31°, 79%, 63%
HSV	31°, 63%, 92%
XYZ	49.0752, 44.5447, 15.0257
YIQ	175.8640, 67.3080, -8.3720

Conversions

Conversions Part 2

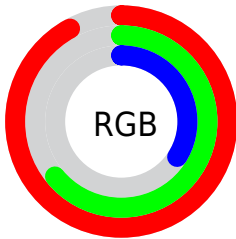
Format	Color
R _Y B	227, 235, 87
Decimal	15442775
CIE Lab	72.59, 19.27, 49.39
CIE LCh	73, 53.015, 68.691
Yxy	44.5447, 0.4517, 0.4100
Android (android.graphics.Color)	4293632855 (0xFFEBA357)
YUV	175.8640, -43.8100, 51.8623
Hunter-Lab	66.7418, 14.4528, 33.3712

Details

The Yxy color **44.5447, 0.4517, 0.4100** 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 **32.8076, 0.2125, 0.2226**, and the grayscale version is **43.5486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2669, 0.3963, 0.4092**, and **20.6102, 0.4864, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **40.3463, 0.4786, 0.4168**, and if you desaturate by 10%, it is **49.2392, 0.4247, 0.3997**.

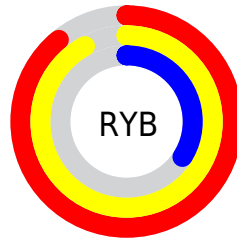
Distribution



Red (92%)

Green (64%)

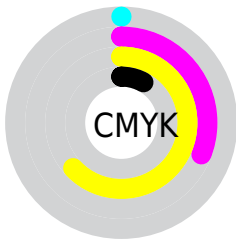
Blue (34%)



Red (89%)

Yellow (92%)

Blue (34%)

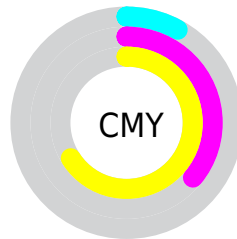


Cyan (0%)

Magenta (31%)

Yellow (63%)

Black (8%)



Cyan (8%)


Magenta (36%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5447, 0.4517, 0.4100 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 44.5447, 0.4517, 0.4100 by changing the saturation by 10% instead.

 44.5447, 0.4517,
0.4100


 44.5447, 0.4517,
0.4100


364.9264, 0.3837,
0.3748

 31.0990, 0.4672,
0.4164


 82.0368, 0.4279,
0.3989

 20.6742, 0.4860,
0.4231


 106.8519, 0.4186,
0.3942


 12.8861, 0.5085,
0.4291


 136.2256, 0.4107,
0.3900

 7.3501, 0.5376,
0.4343

 170.5422, 0.4038,
0.3862

 3.6820, 0.5690,
0.4310

 210.1862, 0.3978,
0.3829

 1.4973, 0.5951,
0.4049

255.5420, 0.3925,

 0.2868, 0.7214,

0.3799

0.2786

306.9940, 0.3878,
0.3772

0.0000, 0.0000,
0.0000

44.5447, 0.4517,
0.4100

44.5447, 0.4517,
0.4100

40.3463, 0.4786,
0.4168

49.2392, 0.4247,
0.3997

36.6152, 0.5038,
0.4189

54.4435, 0.3988,
0.3871


33.3280, 0.5257,
0.4155

60.1785, 0.3749,
0.3734


31.2637, 0.5389,
0.4103


66.4618, 0.3534,
0.3595

73.3098, 0.3342,
0.3458

 80.7383, 0.3173,
0.3327

 88.7623, 0.3026,
0.3205

 96.0416, 0.3005,
0.3284

 96.4001, 0.3005,
0.3290

Harmonies

Analogous

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



44.5447, 0.4594, 0.3550



44.5447, 0.4517, 0.4100



44.5447, 0.4053, 0.4544

Triad

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



44.5447, 0.4517, 0.4100



44.5447, 0.2120, 0.3473



44.5447, 0.2738, 0.2245

Complementary

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



44.5447, 0.4517, 0.4100



32.8076, 0.2125, 0.2226

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.



44.5447, 0.2176, 0.2151



44.5447, 0.4517, 0.4100



44.5447, 0.1853, 0.2750

Square

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



44.5447, 0.4517, 0.4100



44.5447, 0.2665, 0.4248



44.5447, 0.1876, 0.2306



44.5447, 0.3489, 0.2548

Rectangle

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



44.5447, 0.4517, 0.4100



44.5447, 0.3613, 0.4675



44.5447, 0.1876, 0.2306



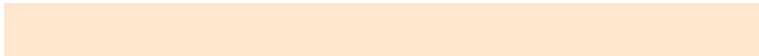
44.5447, 0.2524, 0.2188

Sweetspot

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



44.5469, 0.4517, 0.4100



83.1400, 0.3456, 0.3541



27.0477, 0.4092, 0.2510



17.2992, 0.3513, 0.3581



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.



44.5469, 0.4517, 0.4100



47.0015, 0.4874, 0.4181



77.7577, 0.4005, 0.4741



16.3337, 0.3280, 0.3411



17.6586, 0.5365, 0.4122



1.5792, 0.5159, 0.4286

Inverse Universe

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



32.8076, 0.2125, 0.2226



31.8113, 0.1954, 0.1956



14.8380, 0.1901, 0.1263



15.7582, 0.2981, 0.3166



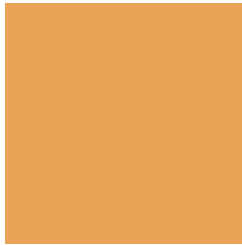
10.3258, 0.1760, 0.1535



1.0028, 0.1831, 0.1790

Previews

White Background



This preview shows how the Yxy color 44.5447, 0.4517, 0.4100 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 44.5447, 0.4517, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

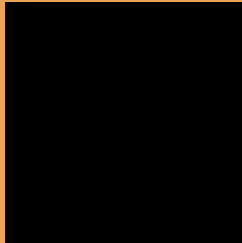
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5447, 0.4517, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 44.5447, 0.4517, 0.4100.



This preview shows how white text looks on a background with the Yxy color 44.5447, 0.4517, 0.4100.

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

44.5447, 0.4517, 0.4100

Protanopia

44.8832, 0.4004, 0.4375

Deuteranopia

44.6210, 0.4338, 0.4251



Tritanopia

44.5651, 0.3878, 0.3159

Trichromacy



Original Color

44.5447, 0.4517, 0.4100

Protanomaly

44.4742, 0.4194, 0.4273

Deuteranomaly

44.3169, 0.4401, 0.4190

Tritanomaly

44.2708, 0.4144, 0.3516

Monochromacy



Original Color

44.5447, 0.4517, 0.4100

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0098, 0.3610, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5447, 0.4517, 0.4100 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, 163, 87)` looks like.

```
.text, #text, p{  
    color:rgb(235, 163, 87)  
}
```

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, 163, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 163, 87) }
```

Border

The CSS property to change the border of an element to Yxy 44.5447, 0.4517, 0.4100 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, 163, 87) }
```

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

```
.border{ border-color:rgb(235, 163, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 163, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 163, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 163, 87);  
box-shadow:4px 4px 4px 4px rgb(235, 163,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5447, 0.4517, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 163, 87) }
```

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

```
.background{ background-color: rgb(235,  
163, 87) }
```

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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