

Converting Colors

$Y_{xy}(49.8801, 0.4480, 0.4239)$

Have a look what the booklet for
Yxy(49.8801, 0.4480, 0.4239)
contains.

Yxy(49.6352, 0.4482, 0.4238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.6352, 0.4482, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	EFAF53
RGB	239, 175, 83
RGB Percent	94%, 69%, 33%
CMY	0.0627, 0.3137, 0.6746
CMYK	0.00, 0.27, 0.65, 0.06
HSL	35°, 83%, 63%
HSV	35°, 65%, 94%
XYZ	52.4929, 49.6352, 14.9913
YIQ	183.6480, 67.6760, -15.0440

Conversions

Conversions Part 2

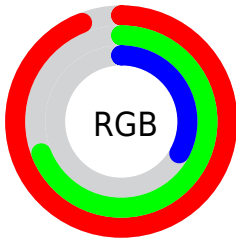
Format	Color
RYB	192, 239, 83
Decimal	15707987
CIELab	75.84, 14.34, 55.08
CIELCh	76, 56.917, 75.403
Yxy	49.6352, 0.4482, 0.4238
Android (android.graphics.Color)	4293898067 (0xFFEFAF53)
YUV	183.6480, -49.6195, 48.5437
Hunter-Lab	70.4523, 9.7062, 36.7005

Details

The Yxy color **49.6352, 0.4482, 0.4238** 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 **28.9379, 0.2051, 0.2006**, and the grayscale version is **47.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6312, 0.3927, 0.4227**, and **23.8434, 0.4779, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **45.6502, 0.4712, 0.4312**, and if you desaturate by 10%, it is **54.0296, 0.4242, 0.4126**.

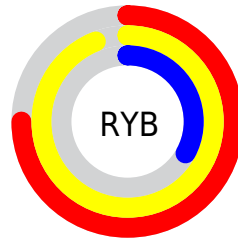
Distribution



Red (94%)

Green (69%)

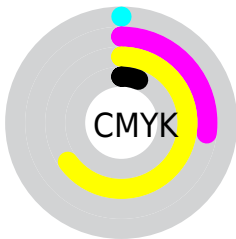
Blue (33%)



Red (75%)

Yellow (94%)

Blue (33%)

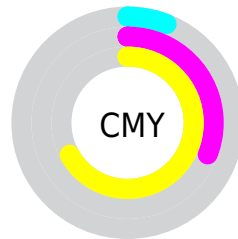


Cyan (0%)

Magenta (27%)

Yellow (65%)

Black (6%)



Cyan (6%)


Magenta (31%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6352, 0.4482, 0.4238 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 49.6352, 0.4482, 0.4238 by changing the saturation by 10% instead.


 49.6352, 0.4482,
0.4238


 49.6352, 0.4482,
0.4238


385.2376, 0.3840,
0.3826


 35.1236, 0.4621,
0.4314


 89.6341, 0.4263,
0.4107


 23.7581, 0.4785,
0.4395


 115.8903, 0.4176,
0.4052


 15.1543, 0.4976,
0.4474


 146.8301, 0.4101,
0.4003

 8.9277, 0.5211,
0.4549

 182.8379, 0.4035,
0.3960

 4.6941, 0.5446,
0.4554

 224.2982, 0.3977,
0.3921

 2.0689, 0.5615,
0.4385

271.5953, 0.3926,

 0.6471, 0.6002,

0.3886

0.3998

325.1137, 0.3881,
0.3855

0.0000, 0.0000,
0.0000

49.6352, 0.4482,
0.4238

49.6352, 0.4482,
0.4238

45.6502, 0.4712,
0.4312

54.0296, 0.4242,
0.4126

42.0476, 0.4920,
0.4337

58.8434, 0.4005,
0.3987


38.8070, 0.5093,
0.4308

64.0951, 0.3779,
0.3834


37.3911, 0.5166,
0.4280

69.7994, 0.3570,
0.3675

75.9701, 0.3380,
0.3518

 82.6205, 0.3209,
0.3367

 89.7629, 0.3058,
0.3224

 96.1110, 0.3030,
0.3275

 97.0947, 0.3030,
0.3290

Harmonies

Analogous

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



49.6352, 0.4668, 0.3681



49.6352, 0.4482, 0.4238



49.6352, 0.3934, 0.4652

Triad

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



49.6352, 0.4482, 0.4238



49.6352, 0.1999, 0.3291



49.6352, 0.2886, 0.2267

Complementary

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



49.6352, 0.4482, 0.4238



28.9379, 0.2051, 0.2006

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.



49.6352, 0.2252, 0.2118



49.6352, 0.4482, 0.4238



49.6352, 0.1795, 0.2599

Square

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



49.6352, 0.4482, 0.4238



49.6352, 0.2500, 0.4123



49.6352, 0.1884, 0.2214



49.6352, 0.3680, 0.2620

Rectangle

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



49.6352, 0.4482, 0.4238



49.6352, 0.3459, 0.4724



49.6352, 0.1884, 0.2214



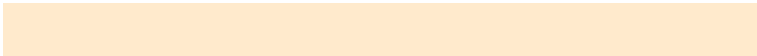
49.6352, 0.2649, 0.2192

Sweetspot

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



49.6377, 0.4482, 0.4238



84.5081, 0.3468, 0.3593



26.6749, 0.4337, 0.2627



17.6607, 0.3523, 0.3637



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.



49.6377, 0.4482, 0.4238



51.5848, 0.4777, 0.4325



78.5424, 0.3931, 0.4839



17.3083, 0.3278, 0.3429



20.9234, 0.5146, 0.4296



1.9360, 0.4986, 0.4423

Inverse Universe

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



28.9379, 0.2051, 0.2006



26.1565, 0.1878, 0.1709



14.9011, 0.1930, 0.1224



16.2939, 0.2980, 0.3147



8.5208, 0.1693, 0.1294



0.9000, 0.1765, 0.1552

Previews

White Background



This preview shows how the Yxy color 49.6352, 0.4482, 0.4238 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 49.6352, 0.4482, 0.4238 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 49.6352, 0.4482, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 49.6352, 0.4482, 0.4238.



This preview shows how white text looks on a background with the Yxy color 49.6352, 0.4482, 0.4238.

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

49.6352, 0.4482, 0.4238

Protanopia

50.0645, 0.4080, 0.4468

Deuteranopia

49.6058, 0.4402, 0.4306



Tritanopia

49.6774, 0.3780, 0.3162

Trichromacy



Original Color

49.6352, 0.4482, 0.4238

Protanomaly

49.5989, 0.4222, 0.4378

Deuteranomaly

49.7156, 0.4437, 0.4283

Tritanomaly

49.4138, 0.4063, 0.3578

Monochromacy



Original Color

49.6352, 0.4482, 0.4238

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9917, 0.3617, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6352, 0.4482, 0.4238 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(239, 175, 83)` looks like.

```
.text, #text, p{  
    color:rgb(239, 175, 83)  
}
```

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(239, 175, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 175, 83) }
```

Border

The CSS property to change the border of an element to Yxy 49.6352, 0.4482, 0.4238 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(239, 175, 83) }
```

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

```
.border{ border-color:rgb(239, 175, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 175, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 175, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 175, 83);  
box-shadow:4px 4px 4px 4px rgb(239, 175,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6352, 0.4482, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 175, 83) }
```

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

```
.background{ background-color: rgb(239,  
175, 83) }
```

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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