

Converting Colors

$Y_{xy}(47.5005, 0.4521, 0.4352)$

Have a look what the booklet for
Yxy(47.5005, 0.4521, 0.4352)
contains.

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Color

Yxy(47.4851, 0.4518, 0.4350)

Conversions

Conversions Part 1

Format	Color
Hex	E8AD46
RGB	232, 173, 70
RGB Percent	91%, 68%, 27%
CMY	0.0903, 0.3215, 0.7256
CMYK	0.00, 0.25, 0.70, 0.09
HSL	38°, 78%, 59%
HSV	38°, 70%, 91%
XYZ	49.3190, 47.4851, 12.3570
YIQ	178.8990, 68.2270, -19.5250

Conversions

Conversions Part 2

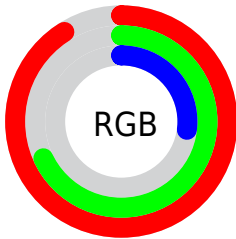
Format	Color
RYB	163, 232, 70
Decimal	15248710
CIELab	74.50, 11.70, 59.20
CIELCh	74, 60.348, 78.816
Yxy	47.4851, 0.4518, 0.4350
Android (android.graphics.Color)	4293438790 (0xFFE8AD46)
YUV	178.8990, -53.6872, 46.5696
Hunter-Lab	68.9094, 7.1623, 37.6045

Details

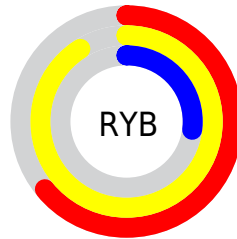
The Yxy color **47.4851, 0.4518, 0.4350** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.8066, 0.1961, 0.1794**, and the grayscale version is **45.2865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1769, 0.4015, 0.4325**, and **22.4629, 0.4811, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **44.1128, 0.4717, 0.4413**, and if you desaturate by 10%, it is **51.1797, 0.4301, 0.4244**.

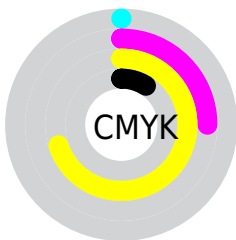
Distribution



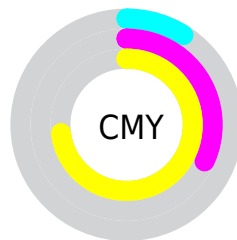
- Red (91%)
- Green (68%)
- Blue (27%)



- Red (64%)
- Yellow (91%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (70%)
- Black (9%)





- Cyan (9%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4851, 0.4518, 0.4350 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 47.4851, 0.4518, 0.4350 by changing the saturation by 10% instead.


 47.4851, 0.4518,
0.4350


 47.4851, 0.4518,
0.4350


376.7475, 0.3865,
0.3888

 33.4193, 0.4655,
0.4434


 86.4373, 0.4297,
0.4204


 22.4479, 0.4814,
0.4522


 112.0924, 0.4209,
0.4142

 14.1863, 0.4991,
0.4603


 142.3795, 0.4132,
0.4087

 8.2504, 0.5260,
0.4729

 177.6829, 0.4065,
0.4038

 4.2556, 0.5359,
0.4641

 218.3870, 0.4006,
0.3994

 1.8175, 0.5511,
0.4489

264.8762, 0.3953,

 0.4981, 0.6038,

0.3955

0.3962

317.5349, 0.3906,
0.3920

0.0000, 0.0000,
0.0000

47.4851, 0.4518,
0.4350

47.4851, 0.4518,
0.4350

44.1128, 0.4717,
0.4413

51.1797, 0.4301,
0.4244

41.0382, 0.4888,
0.4425

55.2049, 0.4079,
0.4106


38.2364, 0.5028,
0.4388

59.5767, 0.3860,
0.3948


38.1908, 0.5031,
0.4388


64.3078, 0.3652,
0.3780

69.4099, 0.3459,
0.3611

 74.8940, 0.3283,
0.3445

 80.7707, 0.3125,
0.3287

 87.0139, 0.2987,
0.3145

 92.1151, 0.2987,
0.3230

Harmonies

Analogous

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



47.4851, 0.4781, 0.3760



47.4851, 0.4518, 0.4350



47.4851, 0.3896, 0.4779

Triad

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



47.4851, 0.4518, 0.4350



47.4851, 0.1882, 0.3184



47.4851, 0.2957, 0.2236

Complementary

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



47.4851, 0.4518, 0.4350



22.8066, 0.1961, 0.1794

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.



47.4851, 0.2256, 0.2051



47.4851, 0.4518, 0.4350



47.4851, 0.1708, 0.2480

Square

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



47.4851, 0.4518, 0.4350



47.4851, 0.2376, 0.4095



47.4851, 0.1836, 0.2116



47.4851, 0.3817, 0.2628

Rectangle

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



47.4851, 0.4518, 0.4350



47.4851, 0.3379, 0.4828



47.4851, 0.1836, 0.2116



47.4851, 0.2696, 0.2149

Sweetspot

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



47.4874, 0.4518, 0.4350



85.2096, 0.3482, 0.3632



23.1231, 0.4594, 0.2693



17.8561, 0.3535, 0.3679



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.



47.4874, 0.4518, 0.4350



52.8849, 0.4800, 0.4425



71.8913, 0.3900, 0.4951



15.8889, 0.3277, 0.3439



21.4567, 0.5013, 0.4401



1.7608, 0.4862, 0.4521

Inverse Universe

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



22.8066, 0.1961, 0.1794



20.8202, 0.1777, 0.1450



12.4561, 0.1900, 0.1120



14.7415, 0.2981, 0.3136



7.0098, 0.1657, 0.1165



0.6899, 0.1738, 0.1457

Previews

White Background



This preview shows how the Yxy color 47.4851, 0.4518, 0.4350 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 47.4851, 0.4518, 0.4350 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 47.4851, 0.4518, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 47.4851, 0.4518, 0.4350.



This preview shows how white text looks on a background with the Yxy color 47.4851, 0.4518, 0.4350.

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

47.4851, 0.4518, 0.4350

Protanopia

47.7412, 0.4165, 0.4569

Deuteranopia

47.3723, 0.4483, 0.4374



Tritanopia

47.2865, 0.3744, 0.3147

Trichromacy



Original Color

47.4851, 0.4518, 0.4350

Protanomaly

47.5575, 0.4295, 0.4487

Deuteranomaly

47.5373, 0.4492, 0.4369

Tritanomaly

46.9114, 0.4070, 0.3620

Monochromacy



Original Color

47.4851, 0.4518, 0.4350

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3141, 0.3644, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4851, 0.4518, 0.4350 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(232, 173, 70)` looks like.

```
.text, #text, p{  
    color:rgb(232, 173, 70)  
}
```

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(232, 173, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 173, 70) }
```

Border

The CSS property to change the border of an element to Yxy 47.4851, 0.4518, 0.4350 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(232, 173, 70) }
```

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

```
.border{ border-color:rgb(232, 173, 70) }
```

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

Here you see how a box with a 4 pixel rgb(232, 173, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 173, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 173, 70);  
box-shadow:4px 4px 4px 4px rgb(232, 173,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4851, 0.4518, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 173, 70) }
```

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

```
.background{ background-color: rgb(232,  
173, 70) }
```

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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