

Converting Colors

$Y_{xy}(46.6249, 0.4525, 0.4376)$

Have a look what the booklet for
Yxy(46.6249, 0.4525, 0.4376)
contains.

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Color

Yxy(46.5683, 0.4518, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	E5AC43
RGB	229, 172, 67
RGB Percent	90%, 67%, 26%
CMY	0.1020, 0.3255, 0.7371
CMYK	0.00, 0.25, 0.71, 0.10
HSL	39°, 76%, 58%
HSV	39°, 71%, 90%
XYZ	48.0794, 46.5683, 11.7698
YIQ	177.0730, 67.6770, -20.5710

Conversions

Conversions Part 2

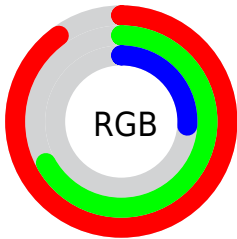
Format	Color
RYB	155, 229, 67
Decimal	15051843
CIELab	73.91, 10.84, 59.75
CIELCh	74, 60.725, 79.720
Yxy	46.5683, 0.4518, 0.4376
Android (android.graphics.Color)	4293241923 (0xFFE5AC43)
YUV	177.0730, -54.2660, 45.5400
Hunter-Lab	68.2410, 6.3411, 37.5427

Details

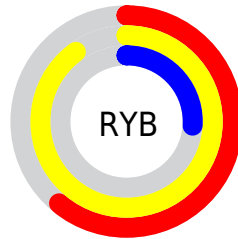
The Yxy color **46.5683, 0.4518, 0.4376** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.2742, 0.1941, 0.1745**, and the grayscale version is **44.2739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5542, 0.4037, 0.4343**, and **21.8723, 0.4808, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **43.3727, 0.4710, 0.4437**, and if you desaturate by 10%, it is **50.0631, 0.4307, 0.4271**.

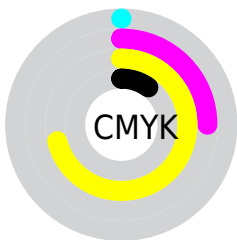
Distribution



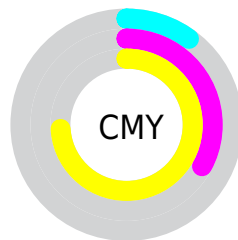
- Red (90%)
- Green (67%)
- Blue (26%)



- Red (61%)
- Yellow (90%)
- Blue (26%)



- Cyan (0%)
- Magenta (25%)
- Yellow (71%)
- Black (10%)




- Cyan (10%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5683, 0.4518, 0.4376 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 46.5683, 0.4518, 0.4376 by changing the saturation by 10% instead.

 46.5683, 0.4518,
0.4376

 46.5683, 0.4518,
0.4376

373.0887, 0.3865,
0.3900

 32.6945, 0.4655,
0.4463


 85.0689, 0.4298,
0.4225


 21.8925, 0.4811,
0.4553


 110.4644, 0.4210,
0.4162

 13.7779, 0.4985,
0.4637

 140.4694, 0.4133,
0.4105

 7.9664, 0.5241,
0.4759

 175.4681, 0.4065,
0.4055

 4.0734, 0.5331,
0.4669

 215.8450, 0.4006,
0.4010

 1.7147, 0.5477,
0.4523

261.9845, 0.3954,

 0.4332, 0.6096,

0.3969

0.3904

314.2709, 0.3907,
0.3933

0.0000, 0.0000,
0.0000

46.5683, 0.4518,
0.4376

46.5683, 0.4518,
0.4376

43.3727, 0.4710,
0.4437

50.0631, 0.4307,
0.4271

40.4525, 0.4872,
0.4447


53.8649, 0.4089,
0.4133


37.9684, 0.4996,
0.4415

57.9891, 0.3873,
0.3974


62.4476, 0.3667,
0.3804

67.2515, 0.3474,
0.3632

 72.4114, 0.3297,
0.3463

 77.9369, 0.3138,
0.3301

 83.8376, 0.2995,
0.3150

 88.8986, 0.2969,
0.3184

Harmonies

Analogous

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



46.5683, 0.4800, 0.3781



46.5683, 0.4518, 0.4376



46.5683, 0.3880, 0.4804

Triad

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



46.5683, 0.4518, 0.4376



46.5683, 0.1858, 0.3156



46.5683, 0.2979, 0.2234

Complementary

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



46.5683, 0.4518, 0.4376



21.2742, 0.1941, 0.1745

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.



46.5683, 0.2263, 0.2040



46.5683, 0.4518, 0.4376



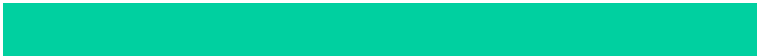
46.5683, 0.1693, 0.2454

Square

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



46.5683, 0.4518, 0.4376



46.5683, 0.2346, 0.4080



46.5683, 0.1831, 0.2097



46.5683, 0.3851, 0.2635

Rectangle

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



46.5683, 0.4518, 0.4376



46.5683, 0.3356, 0.4845



46.5683, 0.1831, 0.2097



46.5683, 0.2713, 0.2144

Sweetspot

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



46.5706, 0.4518, 0.4376



85.5791, 0.3481, 0.3639



22.1937, 0.4622, 0.2691



17.9444, 0.3533, 0.3686



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.



46.5706, 0.4518, 0.4376



53.5326, 0.4791, 0.4448



69.7674, 0.3905, 0.4964



15.9189, 0.3276, 0.3442



21.9430, 0.4981, 0.4427



1.7945, 0.4836, 0.4542

Inverse Universe

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



21.2742, 0.1941, 0.1745



19.7897, 0.1758, 0.1395



11.7812, 0.1885, 0.1097



14.7127, 0.2981, 0.3133



6.7688, 0.1648, 0.1132



0.6699, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 46.5683, 0.4518, 0.4376 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 46.5683, 0.4518, 0.4376 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 46.5683, 0.4518, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 46.5683, 0.4518, 0.4376.



This preview shows how white text looks on a background with the Yxy color 46.5683, 0.4518, 0.4376.

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

46.5683, 0.4518, 0.4376

Protanopia

46.5946, 0.4179, 0.4586

Deuteranopia

46.6233, 0.4491, 0.4396



Tritanopia

46.3397, 0.3738, 0.3157

Trichromacy



Original Color

46.5683, 0.4518, 0.4376

Protanomaly

46.2675, 0.4301, 0.4507

Deuteranomaly

46.7864, 0.4500, 0.4391

Tritanomaly

45.9551, 0.4075, 0.3646

Monochromacy



Original Color

46.5683, 0.4518, 0.4376

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2018, 0.3649, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5683, 0.4518, 0.4376 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, 172, 67)` looks like.

```
.text, #text, p{  
    color:rgb(229, 172, 67)  
}
```

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, 172, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 172, 67) }
```

Border

The CSS property to change the border of an element to Yxy 46.5683, 0.4518, 0.4376 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, 172, 67) }
```

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

```
.border{ border-color:rgb(229, 172, 67) }
```

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

Here you see how a box with a 4 pixel rgb(229, 172, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 172, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 172, 67);  
box-shadow:4px 4px 4px 4px rgb(229, 172,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5683, 0.4518, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 172, 67) }
```

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

```
.background{ background-color: rgb(229,  
172, 67) }
```

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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