

Converting Colors

$Y_{xy}(47.6968, 0.4308, 0.4252)$

Have a look what the booklet for
Yxy(47.6968, 0.4308, 0.4252)
contains.

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Color

Yxy(47.7795, 0.4309, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	E1B059
RGB	225, 176, 89
RGB Percent	88%, 69%, 35%
CMY	0.1176, 0.3098, 0.6509
CMYK	0.00, 0.22, 0.60, 0.12
HSL	38°, 69%, 62%
HSV	38°, 60%, 88%
XYZ	48.3859, 47.7795, 16.1249
YIQ	180.7330, 57.1310, -16.6690

Conversions

Conversions Part 2

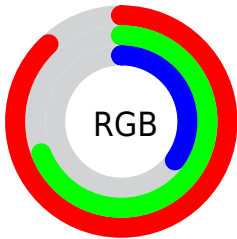
Format	Color
RYB	166, 225, 89
Decimal	14790745
CIELab	74.69, 8.35, 50.54
CIELCh	75, 51.226, 80.619
Yxy	47.7795, 0.4309, 0.4255
Android (android.graphics.Color)	4292980825 (0xFFE1B059)
YUV	180.7330, -45.2244, 38.8222
Hunter-Lab	69.1227, 3.9852, 34.5548

Details

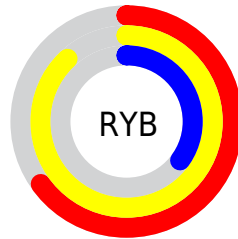
The Yxy color **47.7795, 0.4309, 0.4255** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.7499, 0.2105, 0.2022**, and the grayscale version is **46.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3648, 0.3886, 0.4181**, and **22.6622, 0.4572, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **44.3733, 0.4523, 0.4360**, and if you desaturate by 10%, it is **51.4959, 0.4088, 0.4118**.

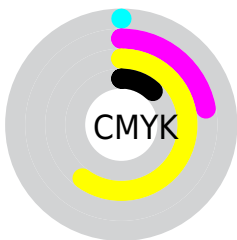
Distribution



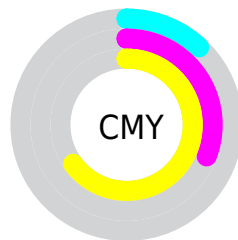
- Red (88%)
- Green (69%)
- Blue (35%)



- Red (65%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (60%)
- Black (12%)




- Cyan (12%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7795, 0.4309, 0.4255 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 47.7795, 0.4309, 0.4255 by changing the saturation by 10% instead.

 47.7795, 0.4309,
0.4255

 47.7795, 0.4309,
0.4255


377.9175, 0.3743,
0.3814


 33.6523, 0.4434,
0.4345


 86.8760, 0.4114,
0.4109


 22.6266, 0.4583,
0.4446


 112.6141, 0.4037,
0.4049

 14.3180, 0.4759,
0.4556


 142.9913, 0.3971,
0.3998

 8.3422, 0.4967,
0.4670

 178.3920, 0.3913,
0.3952

 4.3147, 0.5222,
0.4778

219.2005, 0.3863,
0.3911

 1.8511, 0.5332,
0.4668

265.8014, 0.3818,

 0.5187, 0.5733,

0.3876

0.4267

318.5789, 0.3779,
0.3843

0.0000, 0.0000,
0.0000

47.7795, 0.4309,
0.4255

47.7795, 0.4309,
0.4255

44.3733, 0.4523,
0.4360

51.4959, 0.4088,
0.4118

41.2562, 0.4719,
0.4421

55.5283, 0.3870,
0.3960

38.4142, 0.4887,
0.4431

59.8908, 0.3662,
0.3792

35.9309, 0.5019,
0.4397

64.5941, 0.3469,
0.3622

69.6484, 0.3293,
0.3456

■ 75.0635, 0.3134,
0.3297

■ 80.8484, 0.2992,
0.3147

■ 86.0750, 0.2944,
0.3146

■ 90.9817, 0.2945,
0.3229

Harmonies

Analogous

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



47.7795, 0.4539, 0.3758



47.7795, 0.4309, 0.4255



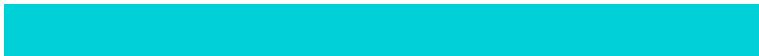
47.7795, 0.3770, 0.4571

Triad

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



47.7795, 0.4309, 0.4255



47.7795, 0.2036, 0.3172



47.7795, 0.3031, 0.2388

Complementary

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



47.7795, 0.4309, 0.4255



25.7499, 0.2105, 0.2022

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.



47.7795, 0.2409, 0.2214



47.7795, 0.4309, 0.4255



47.7795, 0.1890, 0.2580

Square

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



47.7795, 0.4309, 0.4255



47.7795, 0.2459, 0.3920



47.7795, 0.2018, 0.2266



47.7795, 0.3759, 0.2746

Rectangle

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



47.7795, 0.4309, 0.4255



47.7795, 0.3323, 0.4568



47.7795, 0.2018, 0.2266



47.7795, 0.2803, 0.2307

Sweetspot

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



47.7818, 0.4309, 0.4255



87.2825, 0.3427, 0.3583



25.0184, 0.4296, 0.2736



18.2734, 0.3480, 0.3633



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.



47.7818, 0.4309, 0.4255



57.6111, 0.4586, 0.4383



67.8345, 0.3835, 0.4779



15.1550, 0.3276, 0.3440



20.9290, 0.5003, 0.4410



1.6186, 0.4846, 0.4534

Inverse Universe

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



25.7499, 0.2105, 0.2022



26.0742, 0.1909, 0.1699



15.7187, 0.2075, 0.1403



14.0480, 0.2981, 0.3136



6.7348, 0.1655, 0.1157



0.6326, 0.1741, 0.1467

Previews

White Background



This preview shows how the Yxy color 47.7795, 0.4309, 0.4255 looks on a white background.

Color Contrast Check

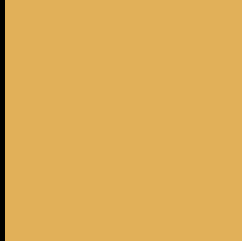
Large Text (above 18pt) WCAG AA × Fail

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 47.7795, 0.4309, 0.4255 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 47.7795, 0.4309, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 47.7795, 0.4309, 0.4255.



This preview shows how white text looks on a background with the Yxy color 47.7795, 0.4309, 0.4255.

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

47.7795, 0.4309, 0.4255

Protanopia

47.7502, 0.4028, 0.4401

Deuteranopia

47.7121, 0.4335, 0.4237



Tritanopia

47.6829, 0.3629, 0.3144

Trichromacy



Original Color

47.7795, 0.4309, 0.4255

Protanomaly

47.6520, 0.4130, 0.4346

Deuteranomaly

47.5500, 0.4325, 0.4241

Tritanomaly

47.4828, 0.3901, 0.3571

Monochromacy



Original Color

47.7795, 0.4309, 0.4255

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2486, 0.3550, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7795, 0.4309, 0.4255 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(225, 176, 89)` looks like.

```
.text, #text, p{  
    color:rgb(225, 176, 89)  
}
```

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(225, 176, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 176, 89) }
```

Border

The CSS property to change the border of an element to Yxy 47.7795, 0.4309, 0.4255 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(225, 176, 89) }
```

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

```
.border{ border-color:rgb(225, 176, 89) }
```

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

Here you see how a box with a 4 pixel rgb(225, 176, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 176, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 176, 89);  
box-shadow:4px 4px 4px 4px rgb(225, 176,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7795, 0.4309, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 176, 89) }
```

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

```
.background{ background-color: rgb(225,  
176, 89) }
```

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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