

Converting Colors

$Y_{xy}(49.1729, 0.4522, 0.4267)$

Have a look what the booklet for
Yxy(49.1729, 0.4522, 0.4267)
contains.

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Color

Yxy(49.1729, 0.4522, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	EFAE4E
RGB	239, 174, 78
RGB Percent	94%, 68%, 31%
CMY	0.0627, 0.3176, 0.6940
CMYK	0.00, 0.27, 0.67, 0.06
HSL	36°, 83%, 62%
HSV	36°, 67%, 94%
XYZ	52.1115, 49.1729, 13.9556
YIQ	182.4910, 69.5560, -16.0760

Conversions

Conversions Part 2

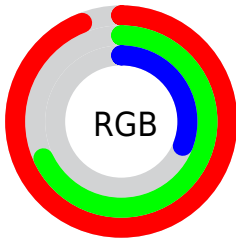
Format	Color
RYB	187, 239, 78
Decimal	15707726
CIELab	75.56, 14.58, 57.02
CIELCh	76, 58.856, 75.656
Yxy	49.1729, 0.4522, 0.4267
Android (android.graphics.Color)	4293897806 (0xFFEFAE4E)
YUV	182.4910, -51.5141, 49.5584
Hunter-Lab	70.1234, 9.9346, 37.2868

Details

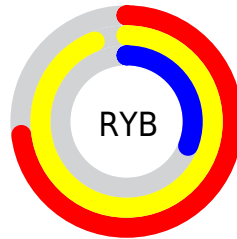
The Yxy color **49.1729, 0.4522, 0.4267** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.5076, 0.2017, 0.1944**, and the grayscale version is **47.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9373, 0.3962, 0.4264**, and **23.5646, 0.4825, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **45.2961, 0.4745, 0.4333**, and if you desaturate by 10%, it is **53.4471, 0.4286, 0.4160**.

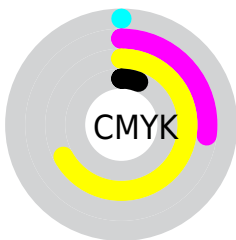
Distribution



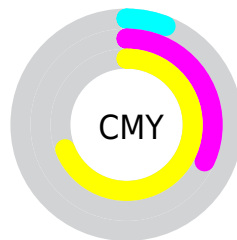
- Red (94%)
- Green (68%)
- Blue (31%)



- Red (73%)
- Yellow (94%)
- Blue (31%)



- Cyan (0%)
- Magenta (27%)
- Yellow (67%)
- Black (6%)




- Cyan (6%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1729, 0.4522, 0.4267 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 49.1729, 0.4522, 0.4267 by changing the saturation by 10% instead.


 49.1729, 0.4522,
0.4267


 49.1729, 0.4522,
0.4267


383.4226, 0.3864,
0.3846


 34.7567, 0.4663,
0.4343


 88.9482, 0.4298,
0.4134

 23.4755, 0.4828,
0.4423


 115.0760, 0.4209,
0.4078


 14.9450, 0.5018,
0.4497


 145.8765, 0.4132,
0.4028

 8.7808, 0.5265,
0.4578

 181.7341, 0.4064,
0.3984

 4.5985, 0.5459,
0.4541

 223.0330, 0.4005,
0.3944

 2.0137, 0.5633,
0.4367

270.1579, 0.3952,

 0.6154, 0.6056,

0.3908

0.3944

323.4929, 0.3905,
0.3875

■ 0.0000, 0.0000,
0.0000

■ 49.1729, 0.4522,
0.4267

■ 49.1729, 0.4522,
0.4267

■ 45.2961, 0.4745,
0.4333

■ 53.4471, 0.4286,
0.4160

■ 41.7895, 0.4944,
0.4348

■ 58.1290, 0.4050,
0.4025


■ 38.6312, 0.5107,
0.4310

■ 63.2368, 0.3823,
0.3872


■ 37.8463, 0.5147,
0.4295

■ 68.7854, 0.3611,
0.3712

■ 74.7885, 0.3417,
0.3553

 81.2591, 0.3243,
0.3399

 88.2097, 0.3088,
0.3252

 94.7013, 0.3030,
0.3253

 97.0929, 0.3029,
0.3290

Harmonies

Analogous

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



49.1729, 0.4724, 0.3691



49.1729, 0.4522, 0.4267



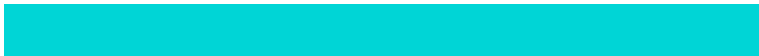
49.1729, 0.3950, 0.4701

Triad

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



49.1729, 0.4522, 0.4267



49.1729, 0.1958, 0.3280



49.1729, 0.2882, 0.2237

Complementary

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



49.1729, 0.4522, 0.4267



27.5076, 0.2017, 0.1944

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.



49.1729, 0.2228, 0.2082



49.1729, 0.4522, 0.4267



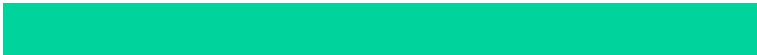
49.1729, 0.1754, 0.2567

Square

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



49.1729, 0.4522, 0.4267



49.1729, 0.2470, 0.4151



49.1729, 0.1847, 0.2176



49.1729, 0.3707, 0.2601

Rectangle

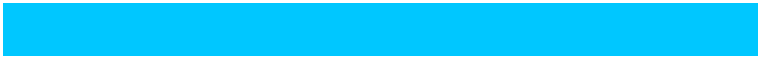
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1729, 0.4522, 0.4267



49.1729, 0.3458, 0.4779



49.1729, 0.1847, 0.2176



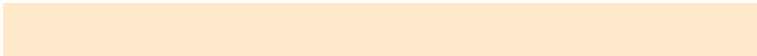
49.1729, 0.2637, 0.2160

Sweetspot

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



49.1753, 0.4522, 0.4267



84.6963, 0.3468, 0.3596



25.8518, 0.4396, 0.2616



17.7059, 0.3522, 0.3641



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.



49.1753, 0.4522, 0.4267



50.8267, 0.4827, 0.4345



78.3941, 0.3946, 0.4873



17.3260, 0.3278, 0.3431



21.1764, 0.5128, 0.4311



1.9563, 0.4971, 0.4435

Inverse Universe

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



27.5076, 0.2017, 0.1944



24.3237, 0.1839, 0.1625



13.9306, 0.1893, 0.1163



16.2766, 0.2980, 0.3145



8.3604, 0.1688, 0.1275



0.8857, 0.1760, 0.1534

Previews

White Background



This preview shows how the Yxy color 49.1729, 0.4522, 0.4267 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 49.1729, 0.4522, 0.4267 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 49.1729, 0.4522, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 49.1729, 0.4522, 0.4267.



This preview shows how white text looks on a background with the Yxy color 49.1729, 0.4522, 0.4267.

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

49.1729, 0.4522, 0.4267

Protanopia

49.4152, 0.4109, 0.4509

Deuteranopia

49.1359, 0.4442, 0.4336



Tritanopia

49.2783, 0.3793, 0.3162

Trichromacy



Original Color

49.1729, 0.4522, 0.4267

Protanomaly

49.1100, 0.4261, 0.4412

Deuteranomaly

49.2487, 0.4477, 0.4312

Tritanomaly

48.9534, 0.4096, 0.3600

Monochromacy



Original Color

49.1729, 0.4522, 0.4267

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9503, 0.3640, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1729, 0.4522, 0.4267 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, 174, 78)` looks like.

```
.text, #text, p{  
    color:rgb(239, 174, 78)  
}
```

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, 174, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 174, 78) }
```

Border

The CSS property to change the border of an element to Yxy 49.1729, 0.4522, 0.4267 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, 174, 78) }
```

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

```
.border{ border-color:rgb(239, 174, 78) }
```

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

Here you see how a box with a 4 pixel rgb(239, 174, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 174, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 174, 78);  
box-shadow:4px 4px 4px 4px rgb(239, 174,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1729, 0.4522, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 174, 78) }
```

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

```
.background{ background-color: rgb(239,  
174, 78) }
```

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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