

Converting Colors

$Y_{xy}(49.0781, 0.4513, 0.4264)$

Have a look what the booklet for
Yxy(49.0781, 0.4513, 0.4264)
contains.

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Color

Yxy(49.0138, 0.4507, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	EEAE4F
RGB	238, 174, 79
RGB Percent	93%, 68%, 31%
CMY	0.0667, 0.3176, 0.6902
CMYK	0.00, 0.27, 0.67, 0.07
HSL	36°, 82%, 62%
HSV	36°, 67%, 93%
XYZ	51.8070, 49.0138, 14.1271
YIQ	182.3060, 68.6390, -15.9770

Conversions

Conversions Part 2

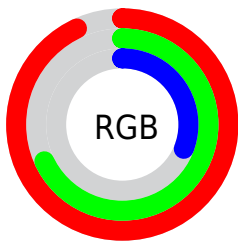
Format	Color
RYB	186, 238, 79
Decimal	15642191
CIELab	75.46, 14.21, 56.44
CIElCh	75, 58.201, 75.870
Yxy	49.0138, 0.4507, 0.4264
Android (android.graphics.Color)	4293832271 (0xFFEEAE4F)
YUV	182.3060, -50.9299, 48.8436
Hunter-Lab	70.0099, 9.5721, 37.0429

Details

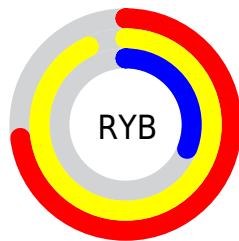
The Yxy color **49.0138, 0.4507, 0.4264** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.4784, 0.2025, 0.1954**, and the grayscale version is **47.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9646, 0.3956, 0.4255**, and **23.4500, 0.4810, 0.4426** is the 20% darker color. If you saturate the color by 10%, you get **45.1591, 0.4731, 0.4333**, and if you desaturate by 10%, it is **53.2613, 0.4271, 0.4155**.

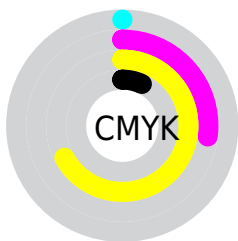
Distribution



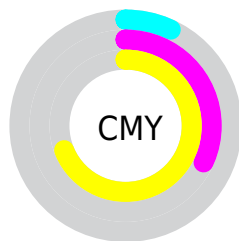
- Red (93%)
- Green (68%)
- Blue (31%)



- Red (73%)
- Yellow (93%)
- Blue (31%)



- Cyan (0%)
- Magenta (27%)
- Yellow (67%)
- Black (7%)





- Cyan (7%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0138, 0.4507, 0.4264 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 49.0138, 0.4507, 0.4264 by changing the saturation by 10% instead.


 49.0138, 0.4507,
0.4264


 49.0138, 0.4507,
0.4264


382.7966, 0.3855,
0.3842


 34.6304, 0.4647,
0.4341


 88.7119, 0.4285,
0.4131


 23.3783, 0.4812,
0.4422


 114.7955, 0.4196,
0.4074

 14.8731, 0.5001,
0.4499


 145.5479, 0.4120,
0.4024

 8.7304, 0.5246,
0.4581

 181.3536, 0.4053,
0.3980

 4.5657, 0.5446,
0.4554

 222.5969, 0.3994,
0.3940

 1.9948, 0.5617,
0.4383

269.6623, 0.3942,

 0.6044, 0.6045,

0.3904

322.9340, 0.3896,
0.3871

0.3955

0.0000, 0.0000,
0.0000

49.0138, 0.4507,
0.4264

45.1591, 0.4731,
0.4333

41.6705, 0.4930,
0.4352

38.5272, 0.5094,
0.4317

37.5857, 0.5143,
0.4299

49.0138, 0.4507,
0.4264


53.2613, 0.4271,
0.4155


57.9115, 0.4036,
0.4018


62.9826, 0.3810,
0.3864


68.4889, 0.3599,
0.3704

74.4441, 0.3407,
0.3545

 80.8609, 0.3234,
0.3390

 87.7514, 0.3080,
0.3244

 94.1648, 0.3024,
0.3247

 96.9169, 0.3023,
0.3290

Harmonies

Analogous

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



49.0138, 0.4709, 0.3694



49.0138, 0.4507, 0.4264



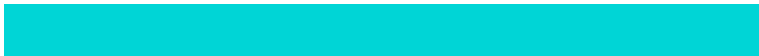
49.0138, 0.3940, 0.4690

Triad

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



49.0138, 0.4507, 0.4264



49.0138, 0.1966, 0.3275



49.0138, 0.2890, 0.2248

Complementary

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



49.0138, 0.4507, 0.4264



27.4784, 0.2025, 0.1954

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.



49.0138, 0.2239, 0.2092



49.0138, 0.4507, 0.4264



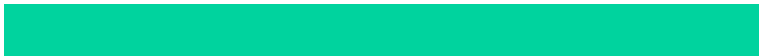
49.0138, 0.1765, 0.2571

Square

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



49.0138, 0.4507, 0.4264



49.0138, 0.2473, 0.4135



49.0138, 0.1860, 0.2185



49.0138, 0.3707, 0.2611

Rectangle

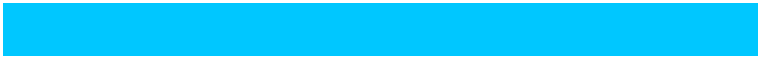
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0138, 0.4507, 0.4264



49.0138, 0.3451, 0.4763



49.0138, 0.1860, 0.2185



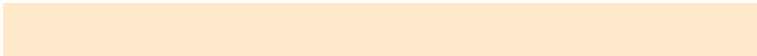
49.0138, 0.2647, 0.2171

Sweetspot

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



49.0162, 0.4507, 0.4264



84.7355, 0.3467, 0.3596



25.8213, 0.4380, 0.2619



17.7153, 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.



49.0162, 0.4507, 0.4264



51.3462, 0.4804, 0.4346



77.6800, 0.3942, 0.4864



17.3297, 0.3278, 0.3431



21.2296, 0.5124, 0.4314



1.9605, 0.4968, 0.4437

Inverse Universe

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



27.4784, 0.2025, 0.1954



24.7274, 0.1849, 0.1643



14.0535, 0.1903, 0.1180



16.2730, 0.2980, 0.3145



8.3273, 0.1686, 0.1271



0.8827, 0.1759, 0.1530

Previews

White Background



This preview shows how the Yxy color 49.0138, 0.4507, 0.4264 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 49.0138, 0.4507, 0.4264 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 49.0138, 0.4507, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 49.0138, 0.4507, 0.4264.



This preview shows how white text looks on a background with the Yxy color 49.0138, 0.4507, 0.4264.

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

49.0138, 0.4507, 0.4264

Protanopia

49.0077, 0.4110, 0.4490

Deuteranopia

48.9833, 0.4427, 0.4333



Tritanopia

49.0980, 0.3784, 0.3161

Trichromacy



Original Color

49.0138, 0.4507, 0.4264

Protanomaly

48.9705, 0.4246, 0.4408

Deuteranomaly

49.0932, 0.4462, 0.4309

Tritanomaly

48.8056, 0.4078, 0.3590

Monochromacy



Original Color

49.0138, 0.4507, 0.4264

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8411, 0.3622, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0138, 0.4507, 0.4264 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(238, 174, 79)` looks like.

```
.text, #text, p{  
    color:rgb(238, 174, 79)  
}
```

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(238, 174, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 174, 79) }
```

Border

The CSS property to change the border of an element to Yxy 49.0138, 0.4507, 0.4264 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(238, 174, 79) }
```

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

```
.border{ border-color:rgb(238, 174, 79) }
```

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

Here you see how a box with a 4 pixel rgb(238, 174, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 174, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 174, 79);  
box-shadow:4px 4px 4px 4px rgb(238, 174,  
79) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 49.0138, 0.4507, 0.4264$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 174, 79) }
```

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

```
.background{ background-color: rgb(238,  
174, 79) }
```

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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