

Converting Colors

$Y_{xy}(49.1727, 0.4244, 0.4211)$

Have a look what the booklet for
Yxy(49.1727, 0.4244, 0.4211)
contains.

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Color

Yxy(49.2535, 0.4246, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	E2B360
RGB	226, 179, 96
RGB Percent	89%, 70%, 38%
CMY	0.1138, 0.2980, 0.6236
CMYK	0.00, 0.21, 0.58, 0.11
HSL	38°, 69%, 63%
HSV	38°, 58%, 89%
XYZ	49.5922, 49.2535, 17.9518
YIQ	183.5910, 54.6550, -15.8490

Conversions

Conversions Part 2

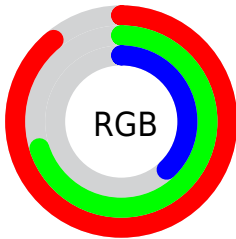
Format	Color
RYB	170, 226, 96
Decimal	14857056
CIELab	75.61, 7.66, 48.28
CIELCh	76, 48.883, 80.983
Yxy	49.2535, 0.4246, 0.4217
Android (android.graphics.Color)	4293047136 (0xFFE2B360)
YUV	183.5910, -43.1824, 37.1927
Hunter-Lab	70.1808, 3.3178, 33.9606

Details

The Yxy color **49.2535, 0.4246, 0.4217** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.6056, 0.2153, 0.2095**, and the grayscale version is **47.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8466, 0.3826, 0.4150**, and **23.6930, 0.4510, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **45.7207, 0.4464, 0.4332**, and if you desaturate by 10%, it is **53.1045, 0.4025, 0.4073**.

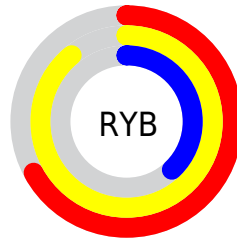
Distribution



Red (89%)

Green (70%)

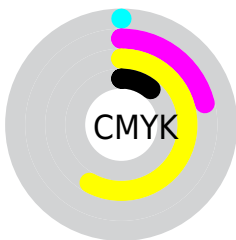
Blue (38%)



Red (67%)

Yellow (89%)

Blue (38%)

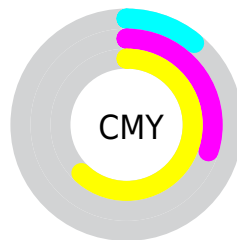


Cyan (0%)

Magenta (21%)

Yellow (58%)

Black (11%)



Cyan (11%)


Magenta (30%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2535, 0.4246, 0.4217 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 49.2535, 0.4246, 0.4217 by changing the saturation by 10% instead.


 49.2535, 0.4246,
0.4217


 49.2535, 0.4246,
0.4217


383.7394, 0.3711,
0.3791

 34.8206, 0.4366,
0.4306


 89.0678, 0.4061,
0.4074

 23.5247, 0.4509,
0.4407


 115.2181, 0.3988,
0.4017

 14.9814, 0.4680,
0.4521


 146.0429, 0.3925,
0.3967

 8.8064, 0.4879,
0.4638

 181.9267, 0.3871,
0.3923

 4.6151, 0.5187,
0.4813

223.2538, 0.3823,
0.3884

 2.0232, 0.5283,
0.4717

270.4088, 0.3781,

 0.6209, 0.5559,

0.3850

0.4441

323.7758, 0.3744,
0.3819

0.0000, 0.0000,
0.0000

49.2535, 0.4246,
0.4217

49.2535, 0.4246,
0.4217

45.7207, 0.4464,
0.4332

53.1045, 0.4025,
0.4073

42.4851, 0.4667,
0.4407

57.2792, 0.3809,
0.3912

39.5332, 0.4844,
0.4432

61.7914, 0.3605,
0.3742

36.8449, 0.4988,
0.4405

66.6519, 0.3416,
0.3573

36.2152, 0.5022,
0.4395

71.8710, 0.3245,
0.3409

■ 77.4582, 0.3091,
0.3252

■ 83.4226, 0.2953,
0.3106

■ 88.2910, 0.2950,
0.3182

■ 93.3235, 0.2952,
0.3264

Harmonies

Analogous

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



49.2535, 0.4463, 0.3749



49.2535, 0.4246, 0.4217



49.2535, 0.3735, 0.4502

Triad

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



49.2535, 0.4246, 0.4217



49.2535, 0.2087, 0.3175



49.2535, 0.3047, 0.2434

Complementary

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



49.2535, 0.4246, 0.4217



27.6056, 0.2153, 0.2095

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.



49.2535, 0.2452, 0.2265



49.2535, 0.4246, 0.4217



49.2535, 0.1949, 0.2615

Square

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



49.2535, 0.4246, 0.4217



49.2535, 0.2491, 0.3875



49.2535, 0.2075, 0.2315



49.2535, 0.3733, 0.2779

Rectangle

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



49.2535, 0.4246, 0.4217



49.2535, 0.3310, 0.4490



49.2535, 0.2075, 0.2315



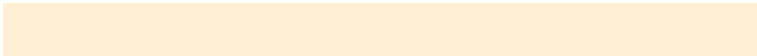
49.2535, 0.2830, 0.2355

Sweetspot

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



49.2559, 0.4246, 0.4217



87.9261, 0.3409, 0.3566



26.5304, 0.4210, 0.2755



18.5342, 0.3445, 0.3600



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.



49.2559, 0.4246, 0.4217



59.2724, 0.4504, 0.4350



68.7366, 0.3811, 0.4720



15.1530, 0.3276, 0.3439



20.8955, 0.5005, 0.4408



1.6164, 0.4848, 0.4533

Inverse Universe

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



27.6056, 0.2153, 0.2095



28.4170, 0.1966, 0.1799



17.3820, 0.2132, 0.1497



14.0500, 0.2981, 0.3136



6.7517, 0.1656, 0.1159



0.6339, 0.1742, 0.1470

Previews

White Background



This preview shows how the Yxy color 49.2535, 0.4246, 0.4217 looks on a white background.

Color Contrast Check

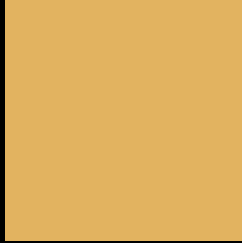
Large Text (above 18pt) WCAG AA × Fail

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 49.2535, 0.4246, 0.4217 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 49.2535, 0.4246, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 49.2535, 0.4246, 0.4217.



This preview shows how white text looks on a background with the Yxy color 49.2535, 0.4246, 0.4217.

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

49.2535, 0.4246, 0.4217

Protanopia

49.5633, 0.3989, 0.4347

Deuteranopia

49.3433, 0.4280, 0.4195



Tritanopia

49.0770, 0.3603, 0.3144

Trichromacy



Original Color

49.2535, 0.4246, 0.4217

Protanomaly

49.3090, 0.4079, 0.4299

Deuteranomaly

49.1793, 0.4271, 0.4199

Tritanomaly

48.9445, 0.3852, 0.3546

Monochromacy



Original Color

49.2535, 0.4246, 0.4217

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.8650, 0.3525, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2535, 0.4246, 0.4217 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(226, 179, 96)` looks like.

```
.text, #text, p{  
    color:rgb(226, 179, 96)  
}
```

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(226, 179, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 179, 96) }
```

Border

The CSS property to change the border of an element to Yxy 49.2535, 0.4246, 0.4217 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(226, 179, 96) }
```

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

```
.border{ border-color:rgb(226, 179, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 179, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 179, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 179, 96);  
box-shadow:4px 4px 4px 4px rgb(226, 179,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2535, 0.4246, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 179, 96) }
```

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

```
.background{ background-color: rgb(226,  
179, 96) }
```

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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