

Converting Colors

$Y_{xy}(47.1047, 0.4431, 0.4207)$

Have a look what the booklet for
Yxy(47.1047, 0.4431, 0.4207)
contains.

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Color

Yxy(46.9535, 0.4432, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	E8AB56
RGB	232, 171, 86
RGB Percent	91%, 67%, 34%
CMY	0.0902, 0.3294, 0.6626
CMYK	0.00, 0.26, 0.63, 0.09
HSL	35°, 76%, 62%
HSV	35°, 63%, 91%
XYZ	49.5235, 46.9535, 15.2638
YIQ	179.5490, 63.6410, -13.5030

Conversions

Conversions Part 2

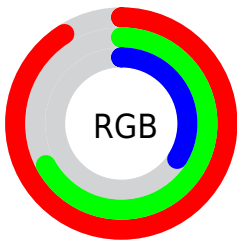
Format	Color
RYB	191, 232, 86
Decimal	15248214
CIELab	74.16, 13.72, 51.55
CIELCh	74, 53.347, 75.097
Yxy	46.9535, 0.4432, 0.4202
Android (android.graphics.Color)	4293438294 (0xFFE8AB56)
YUV	179.5490, -46.1197, 45.9995
Hunter-Lab	68.5226, 9.0932, 34.7587

Details

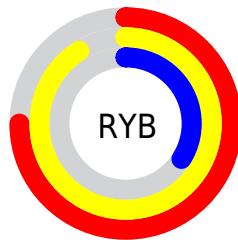
The Yxy color **46.9535, 0.4432, 0.4202** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.6854, 0.2092, 0.2080**, and the grayscale version is **45.6167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4877, 0.3933, 0.4174**, and **22.1934, 0.4744, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **43.1108, 0.4669, 0.4285**, and if you desaturate by 10%, it is **51.1909, 0.4189, 0.4084**.

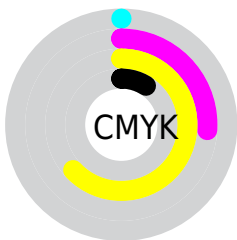
Distribution



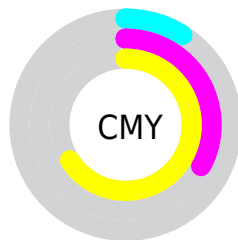
- Red (91%)
- Green (67%)
- Blue (34%)



- Red (75%)
- Yellow (91%)
- Blue (34%)



- Cyan (0%)
- Magenta (26%)
- Yellow (63%)
- Black (9%)





- Cyan (9%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9535, 0.4432, 0.4202 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 46.9535, 0.4432, 0.4202 by changing the saturation by 10% instead.


 46.9535, 0.4432,
0.4202

 46.9535, 0.4432,
0.4202

374.6289, 0.3804,
0.3797

 32.9989, 0.4572,
0.4280


 85.6442, 0.4215,
0.4071


 22.1256, 0.4738,
0.4364


 111.1491, 0.4129,
0.4017

 13.9492, 0.4935,
0.4448

 141.2729, 0.4056,
0.3969

 8.0854, 0.5180,
0.4532

 176.3999, 0.3992,
0.3927

 4.1496, 0.5444,
0.4556

 216.9147, 0.3936,
0.3889

 1.7576, 0.5622,
0.4378

263.2015, 0.3887,

 0.4605, 0.6266,

0.3855

0.3734

315.6448, 0.3843,
0.3825

0.0000, 0.0000,
0.0000

46.9535, 0.4432,
0.4202

46.9535, 0.4432,
0.4202

43.1108, 0.4669,
0.4285

51.1909, 0.4189,
0.4084

39.6378, 0.4887,
0.4321

55.8322, 0.3952,
0.3942

36.5162, 0.5073,
0.4304

60.8946, 0.3729,
0.3789

34.4978, 0.5186,
0.4264


66.3918, 0.3523,
0.3633

72.3369, 0.3338,
0.3479

 78.7421, 0.3172,
0.3331

 85.6192, 0.3025,
0.3193

 91.8609, 0.2987,
0.3226

 95.8965, 0.2988,
0.3290

Harmonies

Analogous

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



46.9535, 0.4601, 0.3668



46.9535, 0.4432, 0.4202



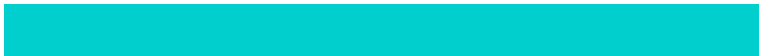
46.9535, 0.3913, 0.4592

Triad

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



46.9535, 0.4432, 0.4202



46.9535, 0.2049, 0.3302



46.9535, 0.2891, 0.2303

Complementary

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



46.9535, 0.4432, 0.4202



28.6854, 0.2092, 0.2080

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.



46.9535, 0.2283, 0.2162



46.9535, 0.4432, 0.4202



46.9535, 0.1846, 0.2637

Square

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



46.9535, 0.4432, 0.4202



46.9535, 0.2536, 0.4089



46.9535, 0.1929, 0.2260



46.9535, 0.3649, 0.2642

Rectangle

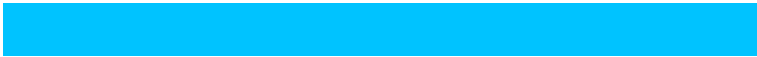
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9535, 0.4432, 0.4202



46.9535, 0.3458, 0.4656



46.9535, 0.1929, 0.2260



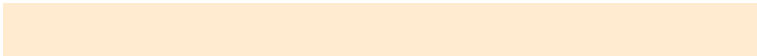
46.9535, 0.2664, 0.2231

Sweetspot

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



46.9558, 0.4432, 0.4202



85.0180, 0.3450, 0.3573



25.9969, 0.4231, 0.2615



17.7531, 0.3505, 0.3618



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.



46.9558, 0.4432, 0.4202



52.3166, 0.4725, 0.4299



73.9608, 0.3929, 0.4784



15.7548, 0.3278, 0.3427



19.4055, 0.5165, 0.4281



1.6166, 0.4985, 0.4424

Inverse Universe

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



28.6854, 0.2092, 0.2080



28.1498, 0.1919, 0.1797



14.9618, 0.1962, 0.1293



14.8719, 0.2981, 0.3149



8.2121, 0.1700, 0.1320



0.7869, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 46.9535, 0.4432, 0.4202 looks on a white background.

Color Contrast Check

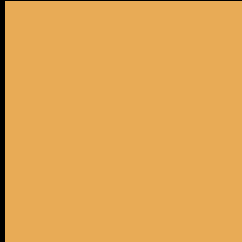
Large Text (above 18pt) WCAG AA × Fail

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 46.9535, 0.4432, 0.4202 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 46.9535, 0.4432, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 46.9535, 0.4432, 0.4202.



This preview shows how white text looks on a background with the Yxy color 46.9535, 0.4432, 0.4202.

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

46.9535, 0.4432, 0.4202

Protanopia

47.1617, 0.4039, 0.4416

Deuteranopia

47.0967, 0.4361, 0.4267



Tritanopia

46.8965, 0.3757, 0.3147

Trichromacy



Original Color

46.9535, 0.4432, 0.4202

Protanomaly

47.1076, 0.4176, 0.4337

Deuteranomaly

47.0370, 0.4387, 0.4248

Tritanomaly

46.6961, 0.4027, 0.3553

Monochromacy



Original Color

46.9535, 0.4432, 0.4202

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6617, 0.3592, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9535, 0.4432, 0.4202 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(232, 171, 86)` looks like.

```
.text, #text, p{  
    color:rgb(232, 171, 86)  
}
```

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(232, 171, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 171, 86) }
```

Border

The CSS property to change the border of an element to Yxy 46.9535, 0.4432, 0.4202 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(232, 171, 86) }
```

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

```
.border{ border-color:rgb(232, 171, 86) }
```

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

Here you see how a box with a 4 pixel rgb(232, 171, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 171, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 171, 86);  
box-shadow:4px 4px 4px 4px rgb(232, 171,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9535, 0.4432, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 171, 86) }
```

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

```
.background{ background-color: rgb(232,  
171, 86) }
```

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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