

Converting Colors

$Yxy(48.7935, 0.4440, 0.4326)$

Have a look what the booklet for
Yxy(48.7935, 0.4440, 0.4326)
contains.

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Color

Yxy(48.7565, 0.4444, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	E8B04E
RGB	232, 176, 78
RGB Percent	91%, 69%, 31%
CMY	0.0902, 0.3098, 0.6940
CMYK	0.00, 0.24, 0.66, 0.09
HSL	38°, 77%, 61%
HSV	38°, 66%, 91%
XYZ	50.1792, 48.7565, 13.9788
YIQ	181.5720, 64.8340, -18.6060

Conversions

Conversions Part 2

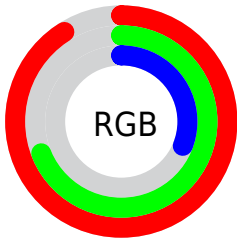
Format	Color
RYB	166, 232, 78
Decimal	15249486
CIELab	75.30, 10.58, 56.52
CIElCh	75, 57.500, 79.401
Yxy	48.7565, 0.4444, 0.4318
Android (android.graphics.Color)	4293439566 (0xFFE8B04E)
YUV	181.5720, -51.0610, 44.2254
Hunter-Lab	69.8259, 6.0809, 37.0085

Details

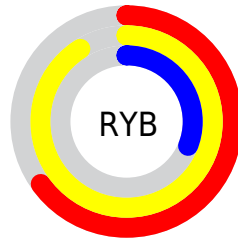
The Yxy color **48.7565, 0.4444, 0.4318** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.5023, 0.2012, 0.1879**, and the grayscale version is **46.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0505, 0.3953, 0.4281**, and **23.2478, 0.4721, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **45.2762, 0.4650, 0.4397**, and if you desaturate by 10%, it is **52.5646, 0.4224, 0.4200**.

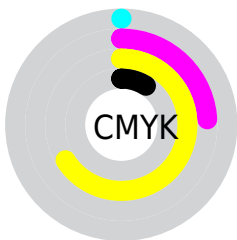
Distribution



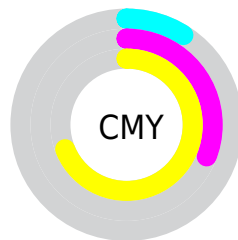
- Red (91%)
- Green (69%)
- Blue (31%)



- Red (65%)
- Yellow (91%)
- Blue (31%)



- Cyan (0%)
- Magenta (24%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7565, 0.4444, 0.4318 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 48.7565, 0.4444, 0.4318 by changing the saturation by 10% instead.


 48.7565, 0.4444,
0.4318


 48.7565, 0.4444,
0.4318


381.7829, 0.3824,
0.3864


 34.4264, 0.4577,
0.4404


 88.3297, 0.4233,
0.4172

 23.2213, 0.4731,
0.4497


 114.3415, 0.4149,
0.4111


 14.7570, 0.4907,
0.4590


 145.0161, 0.4077,
0.4057

 8.6490, 0.5137,
0.4698

 180.7377, 0.4013,
0.4009

 4.5130, 0.5305,
0.4695

 221.8908, 0.3957,
0.3967

 1.9645, 0.5438,
0.4562

268.8598, 0.3907,

 0.5867, 0.5817,

0.3929

0.4183

322.0290, 0.3863,
0.3895

0.0000, 0.0000,
0.0000

48.7565, 0.4444,
0.4318

48.7565, 0.4444,
0.4318

45.2762, 0.4650,
0.4397

52.5646, 0.4224,
0.4200

42.0997, 0.4832,
0.4427

56.7080, 0.4002,
0.4053


39.2095, 0.4981,
0.4404

61.2023, 0.3786,
0.3891

38.2196, 0.5030,
0.4388


66.0600, 0.3583,
0.3722

71.2924, 0.3396,
0.3553

 76.9103, 0.3226,
0.3390

 82.9240, 0.3074,
0.3235

 88.7752, 0.2987,
0.3175

 93.9552, 0.2987,
0.3259

Harmonies

Analogous

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



48.7565, 0.4694, 0.3761



48.7565, 0.4444, 0.4318



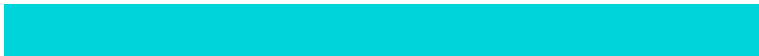
48.7565, 0.3852, 0.4705

Triad

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



48.7565, 0.4444, 0.4318



48.7565, 0.1937, 0.3180



48.7565, 0.2984, 0.2290

Complementary

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



48.7565, 0.4444, 0.4318



24.5023, 0.2012, 0.1879

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.



48.7565, 0.2310, 0.2109



48.7565, 0.4444, 0.4318



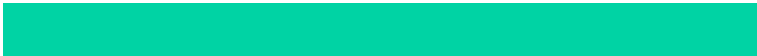
48.7565, 0.1772, 0.2517

Square

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



48.7565, 0.4444, 0.4318



48.7565, 0.2406, 0.4031



48.7565, 0.1900, 0.2170



48.7565, 0.3796, 0.2670

Rectangle

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



48.7565, 0.4444, 0.4318



48.7565, 0.3360, 0.4734



48.7565, 0.1900, 0.2170



48.7565, 0.2734, 0.2205

Sweetspot

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



48.7589, 0.4444, 0.4318



85.8723, 0.3464, 0.3616



24.3429, 0.4483, 0.2705



17.9885, 0.3517, 0.3663



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.



48.7589, 0.4444, 0.4318



54.4719, 0.4728, 0.4415



72.1798, 0.3879, 0.4892



15.8895, 0.3277, 0.3439



21.4663, 0.5013, 0.4402



1.7615, 0.4862, 0.4522

Inverse Universe

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



24.5023, 0.2012, 0.1879



22.6377, 0.1822, 0.1540



13.9067, 0.1962, 0.1218



14.7409, 0.2981, 0.3136



7.0049, 0.1657, 0.1164



0.6895, 0.1738, 0.1457

Previews

White Background



This preview shows how the Yxy color 48.7565, 0.4444, 0.4318 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 48.7565, 0.4444, 0.4318 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 48.7565, 0.4444, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 48.7565, 0.4444, 0.4318.



This preview shows how white text looks on a background with the Yxy color 48.7565, 0.4444, 0.4318.

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

48.7565, 0.4444, 0.4318

Protanopia

48.8337, 0.4113, 0.4513

Deuteranopia

48.9833, 0.4427, 0.4333



Tritanopia

48.4753, 0.3706, 0.3147

Trichromacy



Original Color

48.7565, 0.4444, 0.4318

Protanomaly

48.4822, 0.4231, 0.4440

Deuteranomaly

48.9833, 0.4427, 0.4333

Tritanomaly

48.1618, 0.4008, 0.3597

Monochromacy



Original Color

48.7565, 0.4444, 0.4318

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9355, 0.3609, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7565, 0.4444, 0.4318 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, 176, 78)` looks like.

```
.text, #text, p{  
    color:rgb(232, 176, 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(232, 176, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 78) }
```

Border

The CSS property to change the border of an element to Yxy 48.7565, 0.4444, 0.4318 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, 176, 78) }
```

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

```
.border{ border-color:rgb(232, 176, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 176, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 78);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7565, 0.4444, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 78) }
```

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

```
.background{ background-color: rgb(232,  
176, 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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