

Converting Colors

$Y_{xy}(42.9695, 0.4576, 0.4196)$

Have a look what the booklet for
Yxy(42.9695, 0.4576, 0.4196)
contains.

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Color

Yxy(43.0005, 0.4578, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	E7A14C
RGB	231, 161, 76
RGB Percent	91%, 63%, 30%
CMY	0.0941, 0.3686, 0.7017
CMYK	0.00, 0.30, 0.67, 0.09
HSL	33°, 76%, 60%
HSV	33°, 67%, 91%
XYZ	47.0048, 43.0005, 12.6702
YIQ	172.2400, 69.0050, -11.5950

Conversions

Conversions Part 2

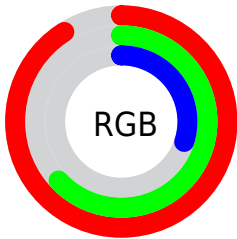
Format	Color
RYB	204, 231, 76
Decimal	15180108
CIELab	71.56, 18.01, 53.32
CIELCh	72, 56.274, 71.337
Yxy	43.0005, 0.4578, 0.4188
Android (android.graphics.Color)	4293370188 (0xFFE7A14C)
YUV	172.2400, -47.4463, 51.5325
Hunter-Lab	65.5748, 13.1953, 34.4465

Details

The Yxy color **43.0005, 0.4578, 0.4188** 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 **27.8803, 0.2050, 0.2064**, and the grayscale version is **41.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9302, 0.4046, 0.4176**, and **19.6571, 0.4927, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **39.2404, 0.4825, 0.4246**, and if you desaturate by 10%, it is **47.1846, 0.4322, 0.4090**.

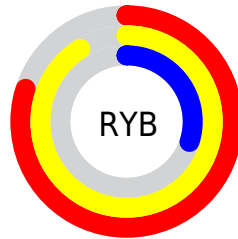
Distribution



Red (91%)

Green (63%)

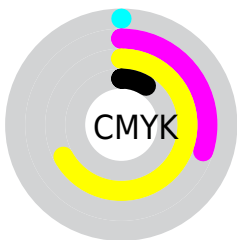
Blue (30%)



Red (80%)

Yellow (91%)

Blue (30%)

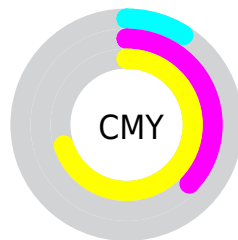


Cyan (0%)

Magenta (30%)

Yellow (67%)

Black (9%)



Cyan (9%)


Magenta (37%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0005, 0.4578, 0.4188 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 43.0005, 0.4578, 0.4188 by changing the saturation by 10% instead.


 43.0005, 0.4578,
0.4188


 43.0005, 0.4578,
0.4188


358.6138, 0.3872,
0.3799

 29.8855, 0.4736,
0.4257


 79.7116, 0.4333,
0.4066


 19.7517, 0.4923,
0.4326


 104.0765, 0.4237,
0.4014


 12.2147, 0.5142,
0.4385


 132.9602, 0.4154,
0.3968

 6.8901, 0.5476,
0.4475

 166.7470, 0.4082,
0.3926

 3.3934, 0.5660,
0.4340

 205.8214, 0.4020,
0.3889

 1.3404, 0.5921,
0.4079

250.5677, 0.3964,

 0.1722, 0.7780,

0.3856

0.2220

301.3704, 0.3915,
0.3826

■ 0.0000, 0.0000,
0.0000

■ 43.0005, 0.4578,
0.4188

■ 43.0005, 0.4578,
0.4188

■ 39.2404, 0.4825,
0.4246

■ 47.1846, 0.4322,
0.4090

■ 35.8774, 0.5048,
0.4253

■ 51.8045, 0.4070,
0.3964


■ 32.8892, 0.5234,
0.4205


■ 56.8790, 0.3831,
0.3823


■ 32.0763, 0.5285,
0.4186

■ 62.4236, 0.3612,
0.3675

■ 68.4529, 0.3415,
0.3528

 74.9806, 0.3239,
0.3386

 82.0199, 0.3084,
0.3252

 89.2004, 0.2981,
0.3184

 95.6754, 0.2982,
0.3289

Harmonies

Analogous

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



43.0005, 0.4712, 0.3606



43.0005, 0.4578, 0.4188



43.0005, 0.4048, 0.4657

Triad

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



43.0005, 0.4578, 0.4188



43.0005, 0.2014, 0.3404



43.0005, 0.2773, 0.2201

Complementary

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



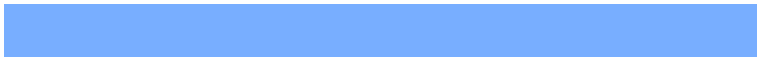
43.0005, 0.4578, 0.4188



27.8803, 0.2050, 0.2064

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.



43.0005, 0.2155, 0.2080



43.0005, 0.4578, 0.4188



43.0005, 0.1764, 0.2650

Square

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



43.0005, 0.4578, 0.4188



43.0005, 0.2566, 0.4263



43.0005, 0.1816, 0.2213



43.0005, 0.3586, 0.2538

Rectangle

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



43.0005, 0.4578, 0.4188



43.0005, 0.3568, 0.4783



43.0005, 0.1816, 0.2213



43.0005, 0.2539, 0.2135

Sweetspot

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



43.0027, 0.4578, 0.4188



83.3115, 0.3472, 0.3572



24.3146, 0.4265, 0.2534



17.3737, 0.3528, 0.3614



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.



43.0027, 0.4578, 0.4188



47.6396, 0.4903, 0.4254



73.8128, 0.4003, 0.4828



15.6713, 0.3279, 0.3419



18.2348, 0.5263, 0.4203



1.5325, 0.5064, 0.4361

Inverse Universe

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



27.8803, 0.2050, 0.2064



27.6142, 0.1884, 0.1778



12.7053, 0.1855, 0.1154



14.9540, 0.2981, 0.3158



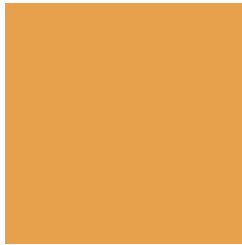
9.0649, 0.1729, 0.1425



0.8533, 0.1807, 0.1704

Previews

White Background



This preview shows how the Yxy color 43.0005, 0.4578, 0.4188 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 43.0005, 0.4578, 0.4188 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 43.0005, 0.4578, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 43.0005, 0.4578, 0.4188.



This preview shows how white text looks on a background with the Yxy color 43.0005, 0.4578, 0.4188.

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

43.0005, 0.4578, 0.4188

Protanopia

43.2469, 0.4082, 0.4467

Deuteranopia

43.0373, 0.4420, 0.4326



Tritanopia

43.1053, 0.3878, 0.3168

Trichromacy



Original Color

43.0005, 0.4578, 0.4188

Protanomaly

43.1002, 0.4259, 0.4372

Deuteranomaly

43.1062, 0.4477, 0.4274

Tritanomaly

42.7436, 0.4177, 0.3565

Monochromacy



Original Color

43.0005, 0.4578, 0.4188

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1489, 0.3645, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0005, 0.4578, 0.4188 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(231, 161, 76)` looks like.

```
.text, #text, p{  
    color:rgb(231, 161, 76)  
}
```

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(231, 161, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 161, 76) }
```

Border

The CSS property to change the border of an element to Yxy 43.0005, 0.4578, 0.4188 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(231, 161, 76) }
```

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

```
.border{ border-color:rgb(231, 161, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 161, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 161, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 161, 76);  
box-shadow:4px 4px 4px 4px rgb(231, 161,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0005, 0.4578, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 161, 76) }
```

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

```
.background{ background-color: rgb(231,  
161, 76) }
```

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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