

Converting Colors

$Y_{xy}(42.1286, 0.4598, 0.4141)$

Have a look what the booklet for
Yxy(42.1286, 0.4598, 0.4141)
contains.

Yxy(42.1596, 0.4600, 0.4137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1596, 0.4600, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	E89E4E
RGB	232, 158, 78
RGB Percent	91%, 62%, 31%
CMY	0.0902, 0.3803, 0.6942
CMYK	0.00, 0.32, 0.66, 0.09
HSL	31°, 77%, 61%
HSV	31°, 66%, 91%
XYZ	46.8780, 42.1596, 12.8711
YIQ	171.0060, 69.7840, -9.1920

Conversions

Conversions Part 2

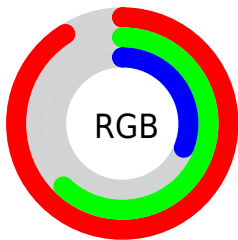
Format	Color
R_{YB}	220, 232, 78
Decimal	15244878
CIE _{Lab}	70.98, 20.13, 51.81
CIE _{LCh}	71, 55.584, 68.770
Yxy	42.1596, 0.4600, 0.4137
Android (android.graphics.Color)	4293434958 (0xFFE89E4E)
YUV	171.0060, -45.8520, 53.4917
Hunter-Lab	64.9304, 15.2438, 33.6983

Details

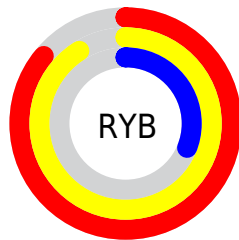
The Yxy color **42.1596, 0.4600, 0.4137** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.8887, 0.2075, 0.2144**, and the grayscale version is **40.9368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4602, 0.4048, 0.4130**, and **19.1533, 0.4967, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **38.2543, 0.4862, 0.4192**, and if you desaturate by 10%, it is **46.5312, 0.4331, 0.4043**.

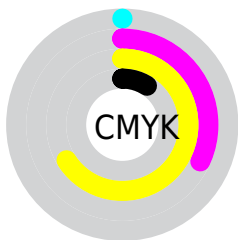
Distribution



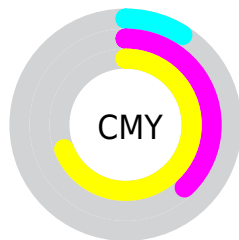
- Red (91%)
- Green (62%)
- Blue (31%)



- Red (86%)
- Yellow (91%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1596, 0.4600, 0.4137 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 42.1596, 0.4600, 0.4137 by changing the saturation by 10% instead.


 42.1596, 0.4600,
0.4137


 42.1596, 0.4600,
0.4137


355.1441, 0.3877,
0.3773


 29.2263, 0.4764,
0.4200

 78.4411, 0.4347,
0.4024


 19.2521, 0.4959,
0.4263


 102.5581, 0.4249,
0.3975


 11.8526, 0.5192,
0.4313


 131.1718, 0.4164,
0.3932

 6.6434, 0.5540,
0.4386

 164.6665, 0.4091,
0.3893

 3.2401, 0.5759,
0.4241

 203.4267, 0.4027,
0.3858

 1.2583, 0.6054,
0.3946

247.8368, 0.3971,

 0.1086, 0.8456,

0.3826

0.1544

298.2811, 0.3921,
0.3798

0.0000, 0.0000,
0.0000

42.1596, 0.4600,
0.4137

42.1596, 0.4600,
0.4137

38.2543, 0.4862,
0.4192

46.5312, 0.4331,
0.4043

34.7869, 0.5102,
0.4196

51.3826, 0.4070,
0.3922


31.7337, 0.5303,
0.4145


56.7343, 0.3826,
0.3787


30.7202, 0.5370,
0.4118


62.6032, 0.3603,
0.3646

69.0053, 0.3404,
0.3506

 75.9559, 0.3228,
0.3372

 83.4695, 0.3074,
0.3245

 90.9951, 0.2987,
0.3211

 95.8942, 0.2987,
0.3290

Harmonies

Analogous

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



42.1596, 0.4692, 0.3555



42.1596, 0.4600, 0.4137



42.1596, 0.4100, 0.4620

Triad

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



42.1596, 0.4600, 0.4137



42.1596, 0.2055, 0.3478



42.1596, 0.2713, 0.2187

Complementary

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



42.1596, 0.4600, 0.4137



29.8887, 0.2075, 0.2144

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.



42.1596, 0.2120, 0.2086



42.1596, 0.4600, 0.4137



42.1596, 0.1780, 0.2707

Square

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



42.1596, 0.4600, 0.4137



42.1596, 0.2628, 0.4320



42.1596, 0.1807, 0.2243



42.1596, 0.3512, 0.2506

Rectangle

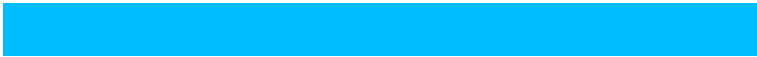
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1596, 0.4600, 0.4137



42.1596, 0.3631, 0.4771



42.1596, 0.1807, 0.2243



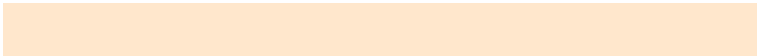
42.1596, 0.2486, 0.2127

Sweetspot

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



42.1617, 0.4600, 0.4137



82.4929, 0.3475, 0.3558



24.8814, 0.4209, 0.2511



17.1776, 0.3531, 0.3597



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.



42.1617, 0.4600, 0.4137



45.6153, 0.4962, 0.4200



74.9853, 0.4017, 0.4806



15.6008, 0.3279, 0.3412



17.3102, 0.5346, 0.4137



1.4650, 0.5132, 0.4307

Inverse Universe

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



29.8887, 0.2075, 0.2144



29.4165, 0.1906, 0.1859



13.0016, 0.1853, 0.1167



15.0238, 0.2981, 0.3165



9.8492, 0.1755, 0.1517



0.9130, 0.1830, 0.1788

Previews

White Background



This preview shows how the Yxy color 42.1596, 0.4600, 0.4137 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 42.1596, 0.4600, 0.4137 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 42.1596, 0.4600, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 42.1596, 0.4600, 0.4137.



This preview shows how white text looks on a background with the Yxy color 42.1596, 0.4600, 0.4137.

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

42.1596, 0.4600, 0.4137

Protanopia

42.2341, 0.4063, 0.4435

Deuteranopia

42.3932, 0.4397, 0.4309



Tritanopia

42.2101, 0.3930, 0.3169

Trichromacy



Original Color

42.1596, 0.4600, 0.4137

Protanomaly

41.8647, 0.4259, 0.4326

Deuteranomaly

42.2598, 0.4472, 0.4241

Tritanomaly

41.9010, 0.4213, 0.3541

Monochromacy



Original Color

42.1596, 0.4600, 0.4137

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.4160, 0.3652, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1596, 0.4600, 0.4137 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, 158, 78)` looks like.

```
.text, #text, p{  
    color:rgb(232, 158, 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, 158, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 158, 78) }
```

Border

The CSS property to change the border of an element to Yxy 42.1596, 0.4600, 0.4137 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, 158, 78) }
```

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

```
.border{ border-color:rgb(232, 158, 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, 158, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 158, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 158, 78);  
box-shadow:4px 4px 4px 4px rgb(232, 158,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1596, 0.4600, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 158, 78) }
```

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

```
.background{ background-color: rgb(232,  
158, 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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