

Converting Colors

$Y_{xy}(40.7494, 0.4536, 0.4110)$

Have a look what the booklet for
Yxy(40.7494, 0.4536, 0.4110)
contains.

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Color

Yxy(40.5549, 0.4533, 0.4106)

Conversions

Conversions Part 1

Format	Color
Hex	E29C52
RGB	226, 156, 82
RGB Percent	89%, 61%, 32%
CMY	0.1138, 0.3882, 0.6786
CMYK	0.00, 0.31, 0.64, 0.11
HSL	31°, 71%, 60%
HSV	31°, 64%, 89%
XYZ	44.7724, 40.5549, 13.4426
YIQ	168.4940, 65.4740, -8.1740

Conversions

Conversions Part 2

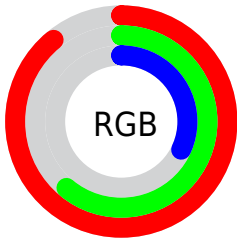
Format	Color
R_{YB}	218, 226, 82
Decimal	14851154
CIE Lab	69.86, 18.94, 48.45
CIE LCh	70, 52.023, 68.649
Yxy	40.5549, 0.4533, 0.4106
Android (android.graphics.Color)	4293041234 (0xFFE29C52)
YUV	168.4940, -42.6415, 50.4328
Hunter-Lab	63.6827, 14.0503, 32.0626

Details

The Yxy color **40.5549, 0.4533, 0.4106** 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 **29.7198, 0.2116, 0.2213**, and the grayscale version is **39.6028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5698, 0.4031, 0.4074**, and **18.4229, 0.4888, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **36.7474, 0.4801, 0.4172**, and if you desaturate by 10%, it is **44.8128, 0.4263, 0.4005**.

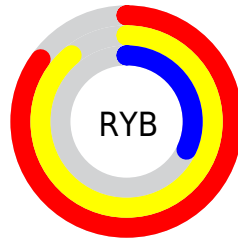
Distribution



Red (89%)

Green (61%)

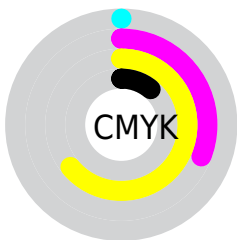
Blue (32%)



Red (85%)

Yellow (89%)

Blue (32%)

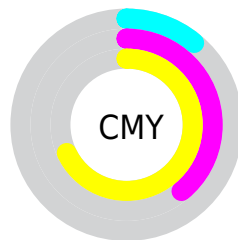


Cyan (0%)

Magenta (31%)

Yellow (64%)

Black (11%)



Cyan (11%)


Magenta (39%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5549, 0.4533, 0.4106 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 40.5549, 0.4533, 0.4106 by changing the saturation by 10% instead.


 40.5549, 0.4533,
0.4106


 40.5549, 0.4533,
0.4106


348.4569, 0.3834,
0.3746

 27.9715, 0.4695,
0.4172


 76.0078, 0.4286,
0.3991

 18.3041, 0.4891,
0.4239


 99.6460, 0.4191,
0.3943


 11.1686, 0.5127,
0.4298


 127.7379, 0.4109,
0.3901

 6.1803, 0.5473,
0.4376

 160.6679, 0.4039,
0.3862

 2.9550, 0.5735,
0.4265

 198.8204, 0.3978,
0.3829

 1.1083, 0.6035,
0.3965

242.5798, 0.3924,

 0.0000, 1.0000,

0.3798

0.0000

292.3305, 0.3877,
0.3771

0.0000, 0.0000,
0.0000

40.5549, 0.4533,
0.4106

40.5549, 0.4533,
0.4106

36.7474, 0.4801,
0.4172

44.8128, 0.4263,
0.4005

33.3639, 0.5051,
0.4189

49.5336, 0.4004,
0.3880

30.3832, 0.5266,
0.4152

54.7363, 0.3765,
0.3744

28.7020, 0.5384,
0.4107

60.4370, 0.3548,
0.3605

66.6507, 0.3355,
0.3468

■ 73.3918, 0.3185,
0.3337

■ 80.6738, 0.3036,
0.3214

■ 88.0004, 0.2950,
0.3177

■ 94.8011, 0.2952,
0.3288

Harmonies

Analogous

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



40.5549, 0.4612, 0.3550



40.5549, 0.4533, 0.4106



40.5549, 0.4063, 0.4558

Triad

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



40.5549, 0.4533, 0.4106



40.5549, 0.2109, 0.3475



40.5549, 0.2732, 0.2234

Complementary

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



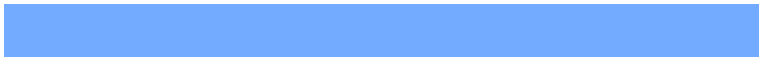
40.5549, 0.4533, 0.4106



29.7198, 0.2116, 0.2213

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.



40.5549, 0.2164, 0.2139



40.5549, 0.4533, 0.4106



40.5549, 0.1840, 0.2743

Square

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



40.5549, 0.4533, 0.4106



40.5549, 0.2659, 0.4263



40.5549, 0.1863, 0.2295



40.5549, 0.3492, 0.2540

Rectangle

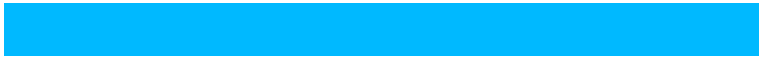
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5549, 0.4533, 0.4106



40.5549, 0.3618, 0.4692



40.5549, 0.1863, 0.2295



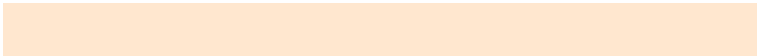
40.5549, 0.2516, 0.2176

Sweetspot

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



40.5569, 0.4533, 0.4106



83.1526, 0.3456, 0.3541



24.5284, 0.4106, 0.2505



17.3022, 0.3513, 0.3581



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.



40.5569, 0.4533, 0.4106



47.0327, 0.4873, 0.4182



71.1640, 0.4011, 0.4751



14.8601, 0.3279, 0.3411



16.6148, 0.5361, 0.4126



1.3308, 0.5133, 0.4307

Inverse Universe

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



29.7198, 0.2116, 0.2213



31.7814, 0.1954, 0.1954



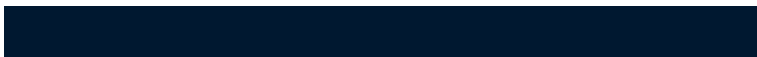
13.3113, 0.1890, 0.1244



14.3371, 0.2981, 0.3166



9.7067, 0.1760, 0.1537



0.8516, 0.1839, 0.1821

Previews

White Background



This preview shows how the Yxy color 40.5549, 0.4533, 0.4106 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 40.5549, 0.4533, 0.4106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

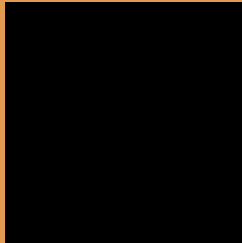
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5549, 0.4533, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 40.5549, 0.4533, 0.4106.



This preview shows how white text looks on a background with the Yxy color 40.5549, 0.4533, 0.4106.

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

40.5549, 0.4533, 0.4106

Protanopia

40.6328, 0.4016, 0.4379

Deuteranopia

40.6225, 0.4346, 0.4264



Tritanopia

40.3250, 0.3890, 0.3165

Trichromacy



Original Color

40.5549, 0.4533, 0.4106

Protanomaly

40.4849, 0.4197, 0.4287

Deuteranomaly

40.3346, 0.4412, 0.4200

Tritanomaly

40.0824, 0.4156, 0.3525

Monochromacy



Original Color

40.5549, 0.4533, 0.4106

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1759, 0.3619, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5549, 0.4533, 0.4106 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, 156, 82)` looks like.

```
.text, #text, p{  
    color:rgb(226, 156, 82)  
}
```

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, 156, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 156, 82) }
```

Border

The CSS property to change the border of an element to Yxy 40.5549, 0.4533, 0.4106 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, 156, 82) }
```

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

```
.border{ border-color:rgb(226, 156, 82) }
```

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

Here you see how a box with a 4 pixel rgb(226, 156, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 156, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 156, 82);  
box-shadow:4px 4px 4px 4px rgb(226, 156,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5549, 0.4533, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 156, 82) }
```

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

```
.background{ background-color: rgb(226,  
156, 82) }
```

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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