

Converting Colors

$Y_{xy}(41.2030, 0.4631, 0.4180)$

Have a look what the booklet for
Yxy(41.2030, 0.4631, 0.4180)
contains.

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Color

Yxy(41.4048, 0.4634, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	E69D48
RGB	230, 157, 72
RGB Percent	90%, 62%, 28%
CMY	0.0980, 0.3843, 0.7178
CMYK	0.00, 0.32, 0.69, 0.10
HSL	32°, 76%, 59%
HSV	32°, 69%, 90%
XYZ	45.8580, 41.4048, 11.6971
YIQ	169.1370, 70.7930, -10.9590

Conversions

Conversions Part 2

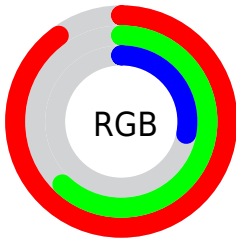
Format	Color
R_{YB}	208, 230, 72
Decimal	15113544
CIE _{Lab}	70.46, 19.49, 53.99
CIE _{LCh}	70, 57.402, 70.149
Yxy	41.4048, 0.4634, 0.4184
Android (android.graphics.Color)	4293303624 (0xFFE69D48)
YUV	169.1370, -47.8885, 53.3769
Hunter-Lab	64.3466, 14.6055, 34.2647

Details

The Yxy color **41.4048, 0.4634, 0.4184** 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 **27.3211, 0.2034, 0.2053**, and the grayscale version is **39.9619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8022, 0.4093, 0.4176**, and **18.8946, 0.4990, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **37.7214, 0.4883, 0.4232**, and if you desaturate by 10%, it is **45.5171, 0.4374, 0.4094**.

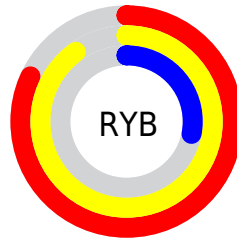
Distribution



Red (90%)

Green (62%)

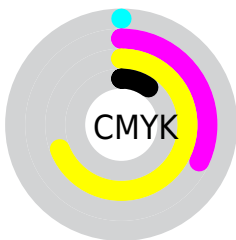
Blue (28%)



Red (82%)

Yellow (90%)

Blue (28%)

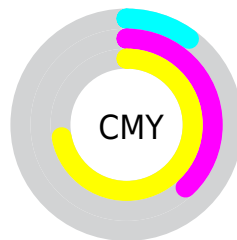


Cyan (0%)

Magenta (32%)

Yellow (69%)

Black (10%)



Cyan (10%)


Magenta (38%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4048, 0.4634, 0.4184 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 41.4048, 0.4634, 0.4184 by changing the saturation by 10% instead.

 41.4048, 0.4634,
0.4184


 41.4048, 0.4634,
0.4184

352.0096, 0.3897,
0.3800

 28.6355, 0.4799,
0.4249


 77.2980, 0.4378,
0.4065


 18.8053, 0.4994,
0.4312

 101.1907, 0.4278,
0.4014

 11.5297, 0.5221,
0.4360


 129.5601, 0.4191,
0.3968

 6.4243, 0.5567,
0.4433

 162.7904, 0.4116,
0.3927

 3.1047, 0.5744,
0.4256

 201.2661, 0.4051,
0.3891

 1.1867, 0.6041,
0.3959

245.3717, 0.3993,

 0.0508, 0.9117,

0.3857

0.0883

295.4914, 0.3942,
0.3827

0.0000, 0.0000,
0.0000

41.4048, 0.4634,
0.4184

41.4048, 0.4634,
0.4184

37.7214, 0.4883,
0.4232

45.5171, 0.4374,
0.4094

34.4394, 0.5106,
0.4228

50.0708, 0.4117,
0.3974


31.5329, 0.5291,
0.4171


55.0853, 0.3873,
0.3837


31.1831, 0.5314,
0.4162

60.5765, 0.3649,
0.3692

66.5595, 0.3446,
0.3547

 73.0484, 0.3266,
0.3406

 80.0568, 0.3108,
0.3273

 87.5363, 0.2974,
0.3159

 94.0433, 0.2975,
0.3266

Harmonies

Analogous

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



41.4048, 0.4758, 0.3585



41.4048, 0.4634, 0.4184



41.4048, 0.4097, 0.4682

Triad

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



41.4048, 0.4634, 0.4184



41.4048, 0.1997, 0.3441



41.4048, 0.2731, 0.2163

Complementary

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



41.4048, 0.4634, 0.4184



27.3211, 0.2034, 0.2053

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.



41.4048, 0.2108, 0.2047



41.4048, 0.4634, 0.4184



41.4048, 0.1731, 0.2652

Square

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



41.4048, 0.4634, 0.4184



41.4048, 0.2573, 0.4330



41.4048, 0.1774, 0.2192



41.4048, 0.3565, 0.2500

Rectangle

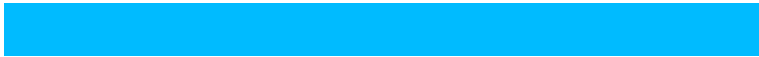
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4048, 0.4634, 0.4184



41.4048, 0.3607, 0.4832



41.4048, 0.1774, 0.2192



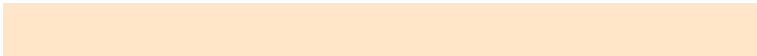
41.4048, 0.2493, 0.2098

Sweetspot

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



41.4069, 0.4634, 0.4184



82.2422, 0.3493, 0.3581



23.5172, 0.4307, 0.2525



17.1493, 0.3548, 0.3622



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.



41.4069, 0.4634, 0.4184



46.0587, 0.4970, 0.4237



73.0235, 0.4016, 0.4852



15.6464, 0.3279, 0.3417



17.9020, 0.5292, 0.4180



1.5083, 0.5088, 0.4342

Inverse Universe

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



27.3211, 0.2034, 0.2053



27.2834, 0.1871, 0.1765



11.9284, 0.1826, 0.1107



14.9786, 0.2981, 0.3160



9.3347, 0.1738, 0.1457



0.8740, 0.1815, 0.1734

Previews

White Background



This preview shows how the Yxy color 41.4048, 0.4634, 0.4184 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 41.4048, 0.4634, 0.4184 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 41.4048, 0.4634, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 41.4048, 0.4634, 0.4184.



This preview shows how white text looks on a background with the Yxy color 41.4048, 0.4634, 0.4184.

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

41.4048, 0.4634, 0.4184

Protanopia

41.6294, 0.4101, 0.4491

Deuteranopia

41.4402, 0.4445, 0.4344



Tritanopia

41.5159, 0.3925, 0.3168

Trichromacy



Original Color

41.4048, 0.4634, 0.4184

Protanomaly

41.2672, 0.4300, 0.4376

Deuteranomaly

41.1603, 0.4512, 0.4280

Tritanomaly

41.1579, 0.4230, 0.3565

Monochromacy



Original Color

41.4048, 0.4634, 0.4184

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.7079, 0.3664, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4048, 0.4634, 0.4184 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(230, 157, 72)` looks like.

```
.text, #text, p{  
    color:rgb(230, 157, 72)  
}
```

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(230, 157, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 157, 72) }
```

Border

The CSS property to change the border of an element to Yxy 41.4048, 0.4634, 0.4184 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(230, 157, 72) }
```

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

```
.border{ border-color:rgb(230, 157, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 157, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 157, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 157, 72);  
box-shadow:4px 4px 4px 4px rgb(230, 157,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4048, 0.4634, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 157, 72) }
```

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

```
.background{ background-color: rgb(230,  
157, 72) }
```

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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