

# Converting Colors

$Yxy(41.4180, 0.4627, 0.4176)$

Have a look what the booklet for  
Yxy(41.4180, 0.4627, 0.4176)  
contains.

<b>Yxy(41.4180, 0.4627, 0.4176)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(41.4180, 0.4627, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E69D49
RGB	230, 157, 73
RGB Percent	90%, 62%, 29%
CMY	0.0981, 0.3843, 0.7139
CMYK	0.00, 0.32, 0.68, 0.10
HSL	32°, 76%, 59%
HSV	32°, 68%, 90%
XYZ	45.8911, 41.4180, 11.8720
YIQ	169.2510, 70.4720, -10.6480

# Conversions

## Conversions Part 2

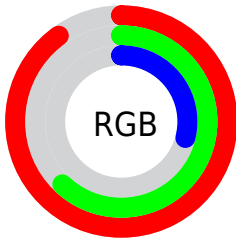
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 230, 73
Decimal	15113545
CIE <sub>Lab</sub>	70.47, 19.55, 53.54
CIE <sub>LCh</sub>	70, 56.992, 69.941
Yxy	41.4180, 0.4627, 0.4176
Android (android.graphics.Color)	4293303625 (0xFFE69D49)
YUV	169.2510, -47.4517, 53.2769
Hunter-Lab	64.3568, 14.6590, 34.1125

# Details

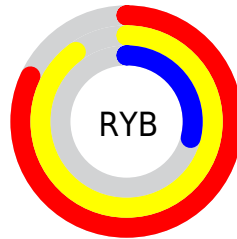
The Yxy color **41.4180, 0.4627, 0.4176** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.6701, 0.2041, 0.2069**, and the grayscale version is **40.0199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8276, 0.4087, 0.4167**, and **18.9011, 0.4981, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **37.7088, 0.4878, 0.4225**, and if you desaturate by 10%, it is **45.5606, 0.4365, 0.4085**.

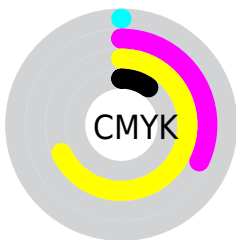
# Distribution



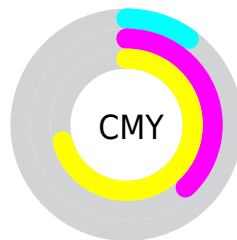
- Red (90%)
- Green (62%)
- Blue (29%)



- Red (82%)
- Yellow (90%)
- Blue (29%)



- Cyan (0%)
- Magenta (32%)
- Yellow (68%)
- Black (10%)




- Cyan (10%)
- Magenta (38%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4180, 0.4627, 0.4176 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 41.4180, 0.4627, 0.4176 by changing the saturation by 10% instead.





 41.4180, 0.4627,  
0.4176


 41.4180, 0.4627,  
0.4176


352.0646, 0.3893,  
0.3795

 28.6458, 0.4791,  
0.4241


 77.3180, 0.4371,  
0.4058


 18.8131, 0.4987,  
0.4304


 101.2147, 0.4271,  
0.4007

 11.5353, 0.5216,  
0.4352


 129.5883, 0.4185,  
0.3962

 6.4281, 0.5569,  
0.4431

 162.8233, 0.4111,  
0.3921

 3.1071, 0.5746,  
0.4254

 201.3040, 0.4046,  
0.3885

 1.1879, 0.6044,  
0.3956

245.4149, 0.3989,

 0.0518, 0.9104,

0.3852

0.0896

295.5403, 0.3938,  
0.3822

0.0000, 0.0000,  
0.0000

41.4180, 0.4627,  
0.4176

41.4180, 0.4627,  
0.4176

37.7088, 0.4878,  
0.4225

45.5606, 0.4365,  
0.4085

34.4056, 0.5104,  
0.4223

50.1493, 0.4108,  
0.3965


31.4831, 0.5292,  
0.4167


55.2035, 0.3864,  
0.3828


31.0127, 0.5323,  
0.4155


60.7393, 0.3640,  
0.3683

66.7717, 0.3438,  
0.3539

 73.3151, 0.3259,  
0.3400

 80.3831, 0.3101,  
0.3268

 87.8619, 0.2974,  
0.3164

 94.4311, 0.2975,  
0.3272

# Harmonies

## Analogous

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



41.4180, 0.4745, 0.3580



41.4180, 0.4627, 0.4176



41.4180, 0.4097, 0.4671

# Triad

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



41.4180, 0.4627, 0.4176



41.4180, 0.2007, 0.3447



41.4180, 0.2729, 0.2168

# Complementary

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



41.4180, 0.4627, 0.4176



27.6701, 0.2041, 0.2069

# 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.



41.4180, 0.2111, 0.2054



41.4180, 0.4627, 0.4176



41.4180, 0.1740, 0.2662

# Square

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



41.4180, 0.4627, 0.4176



41.4180, 0.2583, 0.4327



41.4180, 0.1780, 0.2202



41.4180, 0.3557, 0.2502



# Rectangle

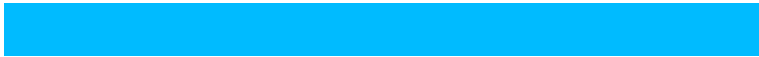
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4180, 0.4627, 0.4176



41.4180, 0.3610, 0.4820



41.4180, 0.1780, 0.2202



41.4180, 0.2493, 0.2103

# Sweetspot

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



41.4201, 0.4627, 0.4176



82.9373, 0.3474, 0.3565



23.6655, 0.4296, 0.2528



17.2840, 0.3529, 0.3606



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.



41.4201, 0.4627, 0.4176



45.8466, 0.4977, 0.4231



73.0419, 0.4012, 0.4846



15.6391, 0.3279, 0.3416



17.8055, 0.5301, 0.4173



1.5013, 0.5095, 0.4336



# Inverse Universe

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



27.6701, 0.2041, 0.2069



27.4695, 0.1873, 0.1774



12.1010, 0.1834, 0.1120



14.9858, 0.2981, 0.3161



9.4155, 0.1741, 0.1467



0.8801, 0.1817, 0.1742



# Previews

## White Background



This preview shows how the Yxy color 41.4180, 0.4627, 0.4176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

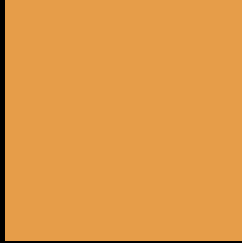
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4180, 0.4627, 0.4176 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 41.4180, 0.4627, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4180, 0.4627, 0.4176.



This preview shows how white text looks on a background with the Yxy color 41.4180, 0.4627, 0.4176.

# 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

41.4180, 0.4627, 0.4176

### Protanopia

41.6437, 0.4095, 0.4481

### Deuteranopia

41.4529, 0.4438, 0.4335



## Tritanopia

41.5159, 0.3925, 0.3168

# Trichromacy



**Original Color**

41.4180, 0.4627, 0.4176

**Protanomaly**

41.2810, 0.4293, 0.4367

**Deuteranomaly**

41.1733, 0.4506, 0.4271

**Tritanomaly**

41.1842, 0.4220, 0.3554

# Monochromacy



**Original Color**

41.4180, 0.4627, 0.4176

**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 41.4180, 0.4627, 0.4176 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(230, 157, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 157, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4180, 0.4627, 0.4176 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, 73) }
```

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

```
.border{ border-color:rgb(230, 157, 73) }
```

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, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 157, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 157, 73);  
box-shadow:4px 4px 4px 4px rgb(230, 157,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4180, 0.4627, 0.4176 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, 73) }
```

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

```
.background{ background-color: rgb(230,  
157, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor