

# Converting Colors

$Y_{xy}(38.2856, 0.4661, 0.4195)$

Have a look what the booklet for  
Yxy(38.2856, 0.4661, 0.4195)  
contains.

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# Color

**Yxy(38.2264, 0.4662, 0.4192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF9743
RGB	223, 151, 67
RGB Percent	87%, 59%, 26%
CMY	0.1255, 0.4078, 0.7372
CMYK	0.00, 0.32, 0.70, 0.13
HSL	32°, 71%, 57%
HSV	32°, 70%, 87%
XYZ	42.5123, 38.2264, 10.4503
YIQ	162.9520, 69.8760, -10.8600

# Conversions

## Conversions Part 2

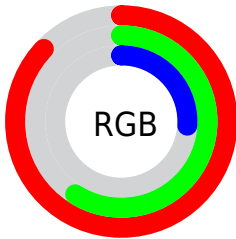
Format	Color
<a href="#">RYB</a>	<a href="#">201, 223, 67</a>
Decimal	<a href="#">14653251</a>
CIELab	<a href="#">68.19, 19.50, 53.58</a>
CIELCh	<a href="#">68, 57.020, 69.997</a>
Yxy	<a href="#">38.2264, 0.4662, 0.4192</a>
Android (android.graphics.Color)	<a href="#">4292843331 (0xFFDF9743)</a>
YUV	<a href="#">162.9520, -47.3043, 52.6621</a>
Hunter-Lab	<a href="#">61.8275, 14.5376, 33.2579</a>

# Details

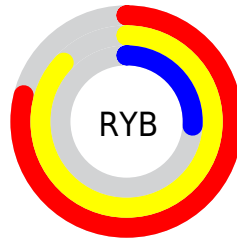
The Yxy color **38.2264, 0.4662, 0.4192** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **24.9916, 0.2019, 0.2029**, and the grayscale version is **36.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2546, 0.4166, 0.4157**, and **16.9250, 0.5032, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **34.8402, 0.4908, 0.4235**, and if you desaturate by 10%, it is **42.0087, 0.4403, 0.4106**.

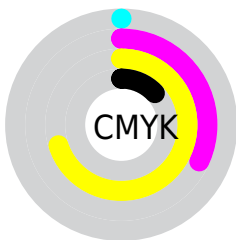
# Distribution



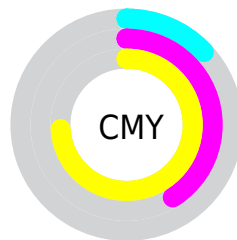
- Red (87%)
- Green (59%)
- Blue (26%)



- Red (79%)
- Yellow (87%)
- Blue (26%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (13%)




- Cyan (13%)
- Magenta (41%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2264, 0.4662, 0.4192 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 38.2264, 0.4662, 0.4192 by changing the saturation by 10% instead.




 38.2264, 0.4662,  
0.4192


 38.2264, 0.4662,  
0.4192


338.5902, 0.3902,  
0.3802


 26.1585, 0.4833,  
0.4257


 72.4550, 0.4396,  
0.4072


 16.9422, 0.5036,  
0.4319


 95.3845, 0.4293,  
0.4020


 10.1933, 0.5272,  
0.4361


 122.7032, 0.4204,  
0.3973

 5.5273, 0.5601,  
0.4399

 154.7957, 0.4127,  
0.3931

 2.5599, 0.5798,  
0.4202

 192.0462, 0.4060,  
0.3893

 0.9065, 0.6139,  
0.3861

234.8392, 0.4001,

 0.0000, 1.0000,

0.3860

0.0000

283.5590, 0.3949,  
0.3829

0.0000, 0.0000,  
0.0000

38.2264, 0.4662,  
0.4192

38.2264, 0.4662,  
0.4192

34.8402, 0.4908,  
0.4235

42.0087, 0.4403,  
0.4106

31.8245, 0.5127,  
0.4225

46.1991, 0.4145,  
0.3989

29.1515, 0.5310,  
0.4165

50.8156, 0.3900,  
0.3853

29.1384, 0.5311,  
0.4165

55.8731, 0.3674,  
0.3709

61.3856, 0.3469,  
0.3564

■ 67.3664, 0.3287,  
0.3423

■ 73.8281, 0.3126,  
0.3289

■ 80.7826, 0.2985,  
0.3164

■ 87.3951, 0.2932,  
0.3174

# Harmonies

## Analogous

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



38.2264, 0.4788, 0.3582



38.2264, 0.4662, 0.4192



38.2264, 0.4115, 0.4704

# Triad

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



38.2264, 0.4662, 0.4192



38.2264, 0.1978, 0.3447



38.2264, 0.2719, 0.2143

# Complementary

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



38.2264, 0.4662, 0.4192



24.9916, 0.2019, 0.2029

# 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.



38.2264, 0.2088, 0.2026



38.2264, 0.4662, 0.4192



38.2264, 0.1709, 0.2641

# Square

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



38.2264, 0.4662, 0.4192



38.2264, 0.2565, 0.4358



38.2264, 0.1751, 0.2174



38.2264, 0.3569, 0.2484



# Rectangle

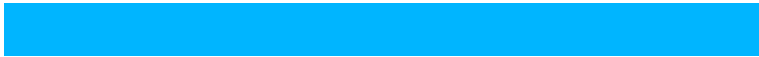
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.2264, 0.4662, 0.4192



38.2264, 0.3616, 0.4863



38.2264, 0.1751, 0.2174



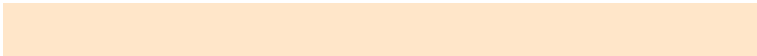
38.2264, 0.2477, 0.2077

# Sweetspot

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



38.2283, 0.4662, 0.4192



82.2494, 0.3493, 0.3582



21.5926, 0.4336, 0.2520



17.1510, 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.



38.2283, 0.4662, 0.4192



45.2396, 0.5015, 0.4237



68.0575, 0.4024, 0.4868



14.9169, 0.3279, 0.3416



17.3612, 0.5290, 0.4182



1.3820, 0.5075, 0.4352



# Inverse Universe

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



24.9916, 0.2019, 0.2029



26.3469, 0.1851, 0.1724



10.7302, 0.1807, 0.1076



14.2807, 0.2981, 0.3160



9.0493, 0.1738, 0.1458



0.8049, 0.1820, 0.1751



# Previews

## White Background



This preview shows how the Yxy color 38.2264, 0.4662, 0.4192 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 38.2264, 0.4662, 0.4192 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 38.2264, 0.4662, 0.4192**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.2264, 0.4662, 0.4192.



This preview shows how white text looks on a background with the Yxy color 38.2264, 0.4662, 0.4192.

# 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

38.2264, 0.4662, 0.4192

### Protanopia

38.4196, 0.4111, 0.4514

### Deuteranopia

38.1008, 0.4456, 0.4363



## Tritanopia

38.3039, 0.3943, 0.3164

# Trichromacy



**Original Color**

38.2264, 0.4662, 0.4192

**Protanomaly**

38.0740, 0.4317, 0.4394

**Deuteranomaly**

37.9822, 0.4536, 0.4292

**Tritanomaly**

37.9868, 0.4249, 0.3561

# Monochromacy



**Original Color**

38.2264, 0.4662, 0.4192

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

36.6691, 0.3683, 0.3721

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2264, 0.4662, 0.4192 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(223, 151, 67)` looks like.

```
.text, #text, p{  
    color:rgb(223, 151, 67)  
}
```

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(223, 151, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 151, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2264, 0.4662, 0.4192 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(223, 151, 67) }
```

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

```
.border{ border-color:rgb(223, 151, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 151, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 151, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 151, 67);  
box-shadow:4px 4px 4px 4px rgb(223, 151,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2264, 0.4662, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 151, 67) }
```

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

```
.background{ background-color: rgb(223,  
151, 67) }
```

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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