

# Converting Colors

XYZ(49.5154, 45.6586, 11.2043)

Have a look what the booklet for  
XYZ(49.5154, 45.6586, 11.2043)  
contains.

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# Color

**XYZ(49.5154, 45.6586,  
11.2043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA641
RGB	237, 166, 65
RGB Percent	93%, 65%, 25%
CMY	0.0706, 0.3490, 0.7451
CMYK	0.00, 0.30, 0.73, 0.07
HSL	35°, 83%, 59%
HSV	35°, 73%, 93%
XYZ	49.5154, 45.6586, 11.2043
YIQ	175.7150, 74.7370, -16.3590

# Conversions

## Conversions Part 2

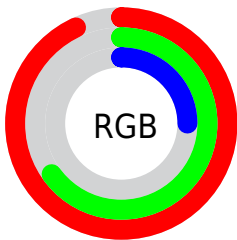
Format	Color
<a href="#">RYB</a>	<a href="#">186, 237, 65</a>
Decimal	<a href="#">15574593</a>
CIELab	<a href="#">73.32, 17.30, 60.28</a>
CIELCh	<a href="#">73, 62.719, 73.984</a>
Yxy	<a href="#">45.6586, 0.4655, 0.4292</a>
Android (android.graphics.Color)	<a href="#">4293764673 (0xFFEDA641)</a>
YUV	<a href="#">175.7150, -54.5825, 53.7469</a>
Hunter-Lab	<a href="#">67.5711, 12.5533, 37.4686</a>

# Details

The XYZ color **49.5154, 45.6586, 11.2043** 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 **26.2698, 24.8455, 83.5313**, and the grayscale version is **41.3675, 43.5218, 47.3953**.

A 20% lighter version of the original color is **70.3665, 74.2809, 27.7685**, and **23.9218, 21.2647, 2.8437** is the 20% darker color. If you saturate the color by 10%, you get **47.2565, 42.0189, 7.7455**, and if you desaturate by 10%, it is **52.1995, 49.6886, 16.2256**.

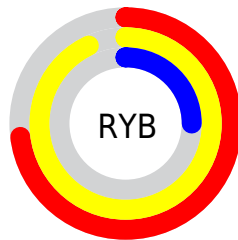
# Distribution



Red (93%)

Green (65%)

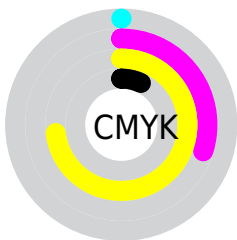
Blue (25%)



Red (73%)

Yellow (93%)

Blue (25%)

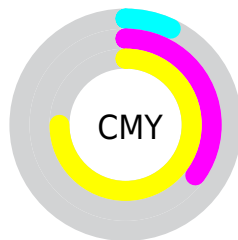


Cyan (0%)

Magenta (30%)

Yellow (73%)

Black (7%)



Cyan (7%)

Magenta (35%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5154, 45.6586, 11.2043 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 XYZ color 49.5154, 45.6586, 11.2043 by changing the saturation by 10% instead.





 49.5154, 45.6586,  
11.2043

 49.5154, 45.6586,  
11.2043


375.2512,  
369.4344, 209.8514

 35.2447, 31.9765,  
6.0885


 88.6526, 83.7078,  
28.6797

 24.0188, 21.3435,  
2.8293


 114.2498,  
108.8438, 41.8765


 15.4724, 13.3754,  
1.0082


 144.3532,  
138.5664, 58.6040

 9.2401, 7.6875,  
0.0000

 179.3283,  
173.2602, 79.2807

 4.9565, 3.8957,  
0.0000

 219.5402,  
213.3095, 104.3253

 2.2562, 1.6154,  
0.0000

265.3544,

 0.7721, 0.3679,

259.0987, 134.1562

0.0000

317.1363,  
311.0122, 169.1921

■ 0.0000, 0.0000,  
0.0000

■ 49.5154, 45.6586,  
11.2043

■ 49.5154, 45.6586,  
11.2043

■ 47.2565, 42.0189,  
7.7455

■ 52.1995, 49.6886,  
16.2256

■ 45.3779, 38.7410,  
5.6415


■ 55.3406, 54.1207,  
22.9768


■ 44.1829, 36.5206,  
4.7205


■ 58.9705, 58.9737,  
31.6060

■ 63.1166, 64.2633,  
42.2449

■ 67.8041, 70.0035,  
55.0131

 73.0565, 76.2080,  
70.0207

 78.8954, 82.8894,  
87.3704

 85.3415, 90.0600,  
107.1581

 88.4317, 96.1382,  
108.5034

# Harmonies

## Analogous

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



60.5156, 45.6586, 18.3386



49.5154, 45.6586, 11.2043



38.4711, 45.6586, 10.9992

# Triad

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



49.5154, 45.6586, 11.2043



25.8992, 45.6586, 65.8843



59.8544, 45.6586, 107.4750

# Complementary

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



49.5154, 45.6586, 11.2043



26.2698, 24.8455, 83.5313

# 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.



48.7266, 45.6586, 135.0125



49.5154, 45.6586, 11.2043



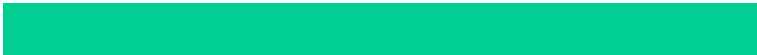
29.8560, 45.6586, 104.9494

# Square

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



49.5154, 45.6586, 11.2043



26.0373, 45.6586, 34.7690



37.8048, 45.6586, 133.9306



67.1406, 45.6586, 68.4257



# Rectangle

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



49.5154, 45.6586, 11.2043



32.5891, 45.6586, 14.4434



37.8048, 45.6586, 133.9306



56.3640, 45.6586, 119.0001

# Sweetspot

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



49.5164, 45.6609, 11.2052



80.3500, 83.0045, 65.7585



41.3069, 23.5820, 25.9170



16.8599, 17.3584, 13.1341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.5164, 45.6609, 11.2052



54.6902, 47.7178, 7.7779



61.5669, 76.5847, 16.5389



15.8006, 16.5242, 15.8754



24.2549, 20.2040, 2.6214



1.9990, 1.7753, 0.2373



# Inverse Universe

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



26.2698, 24.8455, 83.5313



25.9803, 22.1424, 97.5123



20.4289, 11.5721, 81.2771



14.7419, 15.5702, 19.1506



10.8434, 8.3338, 44.7800



0.9442, 0.8399, 3.5472



# Previews

## White Background



This preview shows how the XYZ color 49.5154, 45.6586, 11.2043 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 XYZ color 49.5154, 45.6586, 11.2043 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](#).

**XYZ 49.5154, 45.6586, 11.2043**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5154, 45.6586, 11.2043.



This preview shows how white text looks on a background with the XYZ color 49.5154, 45.6586,



# 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

49.5154, 45.6586, 11.2043

### Protanopia

41.6854, 45.8949, 12.2918

### Deuteranopia

46.5115, 45.4923, 11.0321



## Tritanopia

56.1717, 45.8001, 42.4389

# Trichromacy



## Original Color

49.5154, 45.6586, 11.2043

## Protanomaly

44.3003, 45.7642, 11.9673

## Deuteranomaly

47.4265, 45.4041, 11.1147

## Tritanomaly

52.8757, 45.4541, 27.1058

# Monochromacy



## Original Color

49.5154, 45.6586, 11.2043

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.4852, 43.2884, 29.4088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5154, 45.6586, 11.2043 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(237, 166, 65)` looks like.

```
.text, #text, p{  
    color:rgb(237, 166, 65)  
}
```

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(237, 166, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 166, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5154, 45.6586, 11.2043 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(237, 166, 65) }
```



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

```
.border{ border-color:rgb(237, 166, 65) }
```

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

Here you see how a box with a 4 pixel rgb(237, 166, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 166, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 166, 65);  
box-shadow:4px 4px 4px 4px rgb(237, 166,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5154, 45.6586, 11.2043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 166, 65) }
```

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

```
.background{ background-color: rgb(237,  
166, 65) }
```

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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