

# Converting Colors

XYZ(52.1355, 51.0414, 10.0099)

Have a look what the booklet for  
XYZ(52.1355, 51.0414, 10.0099)  
contains.

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# **Color**

**XYZ(52.1355, 51.0414,  
10.0099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEB431
RGB	238, 180, 49
RGB Percent	93%, 71%, 19%
CMY	0.0667, 0.2941, 0.8078
CMYK	0.00, 0.24, 0.79, 0.07
HSL	42°, 85%, 56%
HSV	42°, 79%, 93%
XYZ	52.1355, 51.0414, 10.0099
YIQ	182.4080, 76.6190, -28.4450

# Conversions

## Conversions Part 2

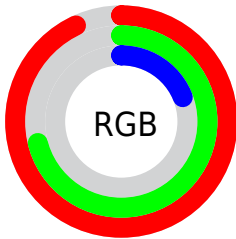
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 238, 49
Decimal	15643697
CIE Lab	76.70, 9.71, 69.57
CIE LCh	77, 70.243, 82.057
Yxy	51.0414, 0.4606, 0.4509
Android (android.graphics.Color)	4293833777 (0xFFEEB431)
YUV	182.4080, -65.7701, 48.7542
Hunter-Lab	71.4433, 5.2341, 41.7032

# Details

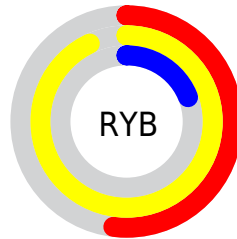
The XYZ color **52.1355, 51.0414, 10.0099** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **21.9568, 17.3410, 83.0781**, and the grayscale version is **45.0060, 47.3498, 51.5639**.

A 20% lighter version of the original color is **73.8370, 82.2915, 25.6279**, and **25.8506, 24.7855, 3.4216** is the 20% darker color. If you saturate the color by 10%, you get **50.3241, 48.0216, 7.5481**, and if you desaturate by 10%, it is **54.2918, 54.3276, 13.8943**.

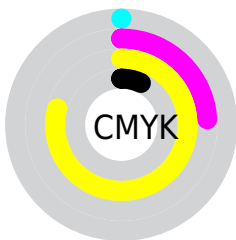
# Distribution



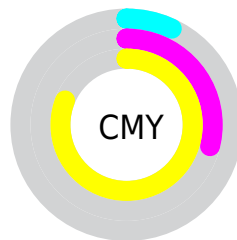
- Red (93%)
- Green (71%)
- Blue (19%)



- Red (52%)
- Yellow (93%)
- Blue (19%)



- Cyan (0%)
- Magenta (24%)
- Yellow (79%)
- Black (7%)




- Cyan (7%)
- Magenta (29%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1355, 51.0414, 10.0099 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 52.1355, 51.0414, 10.0099 by changing the saturation by 10% instead.





 52.1355, 51.0414,  
10.0099


 52.1355, 51.0414,  
10.0099


385.2749,  
390.7246, 201.2301

 37.3378, 36.2416,  
5.2998


 92.5041, 91.7160,  
26.4222

 25.6440, 24.6208,  
2.3624


 118.8057,  
118.3595, 38.9616

 16.6888, 15.7948,  
0.7659


 149.6726,  
149.7197, 54.9477

 10.1068, 9.3790,  
0.0000

 185.4702,  
186.1809, 74.7993

 5.5326, 4.9892,  
0.0000

 226.5639,  
228.1277, 98.9348

 2.6010, 2.2409,  
0.0000

 273.3190,

 0.9464, 0.7422,

275.9443, 127.7727

0.0000

326.1009,  
330.0151, 161.7316

■ 0.0000, 0.0000,  
0.0000

■ 52.1355, 51.0414,  
10.0099

■ 52.1355, 51.0414,  
10.0099

■ 50.3241, 48.0216,  
7.5481

■ 54.2918, 54.3276,  
13.8943

■ 48.7948, 45.2351,  
6.1998


■ 56.8273, 57.8895,  
19.3916

■ 48.7092, 45.0762,  
6.1333


■ 59.7751, 61.7443,  
26.6658


■ 63.1634, 65.9051,  
35.8596

■ 67.0176, 70.3837,  
47.1014

 71.3609, 75.1911,  
60.5080

 76.2148, 80.3376,  
76.1879

 81.5994, 85.8329,  
94.2418

 86.1843, 91.1464,  
107.6584

# Harmonies

## Analogous

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



66.0064, 51.0414, 15.5046



52.1355, 51.0414, 10.0099



39.5260, 51.0414, 11.5707

# Triad

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



52.1355, 51.0414, 10.0099



28.4547, 51.0414, 87.8817



71.6161, 51.0414, 113.9004

# Complementary

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



52.1355, 51.0414, 10.0099



21.9568, 17.3410, 83.0781

# 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.



58.7691, 51.0414, 154.9008



52.1355, 51.0414, 10.0099



34.4210, 51.0414, 135.6996

# Square

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



52.1355, 51.0414, 10.0099



27.3299, 51.0414, 46.0522



45.0629, 51.0414, 164.3137



78.5200, 51.0414, 66.3285



# Rectangle

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



52.1355, 51.0414, 10.0099



33.3140, 51.0414, 16.9932



45.0629, 51.0414, 164.3137



67.7489, 51.0414, 129.6615

# Sweetspot

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



52.1367, 51.0439, 10.0109



81.0142, 85.2642, 63.1090



39.1106, 21.4750, 16.5104



16.9581, 17.8240, 12.3370



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.



52.1367, 51.0439, 10.0109



57.7670, 54.2004, 7.7894



55.8529, 74.1161, 14.2684



16.6898, 17.5928, 16.6658



27.2948, 25.3877, 3.4617



2.3583, 2.2872, 0.3172



# Inverse Universe

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



21.9568, 17.3410, 83.0781



21.6273, 14.1337, 96.1959



20.1563, 10.2390, 81.8022



15.2928, 16.0198, 20.0077



10.0404, 6.3051, 45.8157



0.9200, 0.6941, 3.8397



# Previews

## White Background



This preview shows how the XYZ color 52.1355, 51.0414, 10.0099 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 52.1355, 51.0414, 10.0099 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 52.1355, 51.0414, 10.0099**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1355, 51.0414, 10.0099.



This preview shows how white text looks on a background with the XYZ color 52.1355, 51.0414,



# 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

52.1355, 51.0414, 10.0099

### Protanopia

46.4739, 51.2210, 10.6860

### Deuteranopia

52.1355, 51.0414, 10.0099



## Tritanopia

60.3492, 50.9343, 50.3666

# Trichromacy



## Original Color

52.1355, 51.0414, 10.0099

## Protanomaly

48.2806, 50.8864, 10.4094

## Deuteranomaly

52.1355, 51.0414, 10.0099

## Tritanomaly

55.9483, 50.2532, 28.9413

# Monochromacy



## Original Color

52.1355, 51.0414, 10.0099

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.1841, 47.3255, 29.3075

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1355, 51.0414, 10.0099 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(238, 180, 49)` looks like.

```
.text, #text, p{  
    color:rgb(238, 180, 49)  
}
```

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(238, 180, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 180, 49) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1355, 51.0414, 10.0099 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(238, 180, 49) }
```



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

```
.border{ border-color:rgb(238, 180, 49) }
```

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

Here you see how a box with a 4 pixel rgb(238, 180, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 180, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 180, 49);  
box-shadow:4px 4px 4px 4px rgb(238, 180,  
49) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1355, 51.0414, 10.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 180, 49) }
```

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

```
.background{ background-color: rgb(238,  
180, 49) }
```

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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