

# Converting Colors

XYZ(53.3300, 49.7185, 10.2826)

Have a look what the booklet for  
XYZ(53.3300, 49.7185, 10.2826)  
contains.

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# Color

**XYZ(53.2656, 49.5660,  
10.2498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5AD36
RGB	245, 173, 54
RGB Percent	96%, 68%, 21%
CMY	0.0392, 0.3215, 0.7882
CMYK	0.00, 0.29, 0.78, 0.04
HSL	37°, 91%, 59%
HSV	37°, 78%, 96%
XYZ	53.2656, 49.5660, 10.2498
YIQ	180.9620, 81.1110, -21.7450

# Conversions

## Conversions Part 2

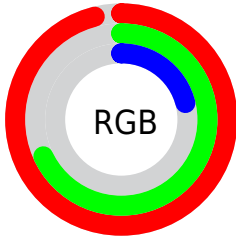
Format	Color
<a href="#">RYB</a>	<a href="#">170, 245, 54</a>
Decimal	<a href="#">16100662</a>
CIELab	<a href="#">75.80, 16.53, 67.30</a>
CIELCh	<a href="#">76, 69.300, 76.199</a>
Yxy	<a href="#">49.5660, 0.4710, 0.4383</a>
Android (android.graphics.Color)	<a href="#">4294290742</a> ( <a href="#">0xFFF5AD36</a> )
YUV	<a href="#">180.9620, -62.5923, 56.1613</a>
Hunter-Lab	<a href="#">70.4031, 11.8441, 40.6503</a>

# Details

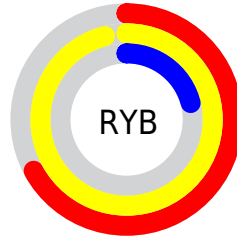
The XYZ color **53.2656, 49.5660, 10.2498** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **25.4632, 22.2976, 89.3473**, and the grayscale version is **44.1989, 46.5007, 50.6392**.

A 20% lighter version of the original color is **71.7437, 77.8509, 25.7134**, and **26.6045, 23.8651, 3.2042** is the 20% darker color. If you saturate the color by 10%, you get **51.1186, 45.9730, 7.3748**, and if you desaturate by 10%, it is **55.8267, 53.5246, 14.6917**.

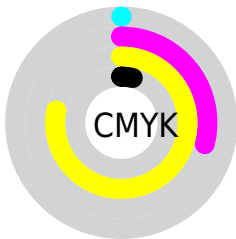
# Distribution



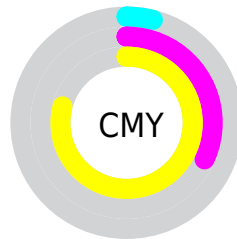
- Red (96%)
- Green (68%)
- Blue (21%)



- Red (67%)
- Yellow (96%)
- Blue (21%)



- Cyan (0%)
- Magenta (29%)
- Yellow (78%)
- Black (4%)




- Cyan (4%)
- Magenta (32%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2656, 49.5660, 10.2498 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 53.2656, 49.5660, 10.2498 by changing the saturation by 10% instead.





 53.2656, 49.5660,  
10.2498

 53.2656, 49.5660,  
10.2498


389.5475,  
384.9663, 202.9949


 38.2432, 35.0687,  
5.4571


 94.1583, 89.5315,  
26.8794

 26.3495, 23.7158,  
2.4545


 120.7593,  
115.7685, 39.5535


 17.2194, 15.1229,  
0.8159

 151.9505,  
146.6875, 55.6917

 10.4873, 8.9057,  
0.0000

 188.0973,  
182.6729, 75.7127

 5.7880, 4.6797,  
0.0000

 229.5651,  
224.1090, 100.0350

 2.7560, 2.0606,  
0.0000

 276.7191,

 1.0261, 0.6423,

271.3804, 129.0771

0.0000

329.9248,  
324.8714, 163.2575

■ 0.0000, 0.0000,  
0.0000

■ 53.2656, 49.5660,  
10.2498

■ 53.2656, 49.5660,  
10.2498

■ 51.1186, 45.9730,  
7.3748

■ 55.8267, 53.5246,  
14.6917

■ 49.3278, 42.7123,  
5.7881


■ 58.8391, 57.8615,  
20.9002


■ 48.9901, 42.0807,  
5.5403


■ 62.3390, 62.5966,  
29.0480

■ 66.3570, 67.7460,  
39.2862

■ 70.9210, 73.3244,  
51.7511

 76.0568, 79.3454,  
66.5670

 81.7882, 85.8218,  
83.8493

 88.1374, 92.7661,  
103.7055

 91.4659, 98.1523,  
108.7323

# Harmonies

## Analogous

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



66.4038, 49.5660, 17.2705



53.2656, 49.5660, 10.2498



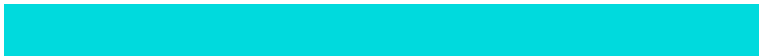
40.5376, 49.5660, 10.5056

# Triad

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



53.2656, 49.5660, 10.2498



27.1151, 49.5660, 76.2590



67.3290, 49.5660, 119.4051

# Complementary

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



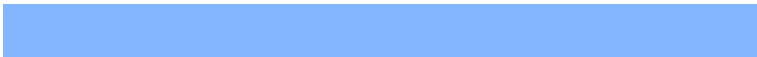
53.2656, 49.5660, 10.2498



25.4632, 22.2976, 89.3473

# 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.



54.3591, 49.5660, 154.6748



53.2656, 49.5660, 10.2498



31.9717, 49.5660, 123.0031

# Square

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



53.2656, 49.5660, 10.2498



26.9300, 49.5660, 38.7636



41.4497, 49.5660, 156.2294



75.4683, 49.5660, 72.7066



# Rectangle

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



53.2656, 49.5660, 10.2498



33.9525, 49.5660, 14.5956



41.4497, 49.5660, 156.2294



63.2935, 49.5660, 133.7645

# Sweetspot

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



53.2667, 49.5685, 10.2507



80.3523, 83.4787, 64.3116



42.8203, 23.5890, 22.4498



16.7723, 17.3642, 12.5471



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.



53.2667, 49.5685, 10.2507



54.7204, 48.0793, 6.8594



63.6622, 81.2136, 15.8110



17.3593, 18.2027, 17.3961



26.5297, 22.9450, 3.0306



2.4304, 2.2140, 0.2993



# Inverse Universe

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



25.4632, 22.2976, 89.3473



23.3700, 17.5603, 96.7655



20.8040, 10.7795, 87.3696



16.0930, 16.9503, 20.9661



11.0794, 7.9527, 47.4891



1.0693, 0.8901, 4.2057



# Previews

## White Background



This preview shows how the XYZ color 53.2656, 49.5660, 10.2498 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 53.2656, 49.5660, 10.2498 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 53.2656, 49.5660, 10.2498**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2656, 49.5660, 10.2498.



This preview shows how white text looks on a background with the XYZ color 53.2656, 49.5660,



# 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

53.2656, 49.5660, 10.2498

### Protanopia

45.3253, 49.9736, 11.2600

### Deuteranopia

50.8012, 49.7509, 10.1742



## Tritanopia

60.7052, 49.5921, 46.4171

# Trichromacy



## Original Color

53.2656, 49.5660, 10.2498

## Protanomaly

48.1034, 49.8504, 10.9577

## Deuteranomaly

51.7645, 49.6584, 10.2249

## Tritanomaly

56.7324, 49.0239, 27.5915

# Monochromacy



## Original Color

53.2656, 49.5660, 10.2498

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.1954, 46.4274, 29.5010

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2656, 49.5660, 10.2498 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(245, 173, 54)` looks like.

```
.text, #text, p{  
    color:rgb(245, 173, 54)  
}
```

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(245, 173, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 173, 54) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2656, 49.5660, 10.2498 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(245, 173, 54) }
```



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

```
.border{ border-color:rgb(245, 173, 54) }
```

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

Here you see how a box with a 4 pixel rgb(245, 173, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 173, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 173, 54);  
box-shadow:4px 4px 4px 4px rgb(245, 173,  
54) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2656, 49.5660, 10.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 173, 54) }
```

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

```
.background{ background-color: rgb(245,  
173, 54) }
```

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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