

# Converting Colors

XYZ(53.3226, 49.2637, 10.7378)

Have a look what the booklet for  
XYZ(53.3226, 49.2637, 10.7378)  
contains.

<b>XYZ(53.1724, 49.2230, 10.7015)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(53.1724, 49.2230,  
10.7015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5AC3A
RGB	245, 172, 58
RGB Percent	96%, 67%, 23%
CMY	0.0392, 0.3255, 0.7725
CMYK	0.00, 0.30, 0.76, 0.04
HSL	37°, 90%, 59%
HSV	37°, 76%, 96%
XYZ	53.1724, 49.2230, 10.7015
YIQ	180.8310, 80.1020, -19.9780

# Conversions

## Conversions Part 2

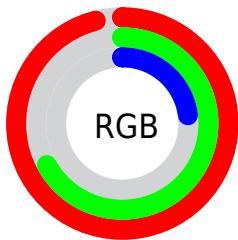
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 245, 58
Decimal	16100410
CIELab	75.59, 17.21, 65.62
CIELCh	76, 67.834, 75.307
Yxy	49.2230, 0.4701, 0.4352
Android (android.graphics.Color)	4294290490 (0xFFF5AC3A)
YUV	180.8310, -60.5557, 56.2762
Hunter-Lab	70.1591, 12.5037, 40.0678

# Details

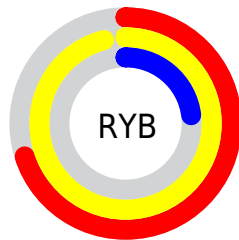
The XYZ color **53.1724, 49.2230, 10.7015** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **26.3422, 23.7238, 89.5763**, and the grayscale version is **44.1175, 46.4151, 50.5460**.

A 20% lighter version of the original color is **71.6897, 77.3904, 26.7822**, and **26.4836, 23.6233, 3.1639** is the 20% darker color. If you saturate the color by 10%, you get **50.9361, 45.5221, 7.5782**, and if you desaturate by 10%, it is **55.8382, 53.3093, 15.4303**.

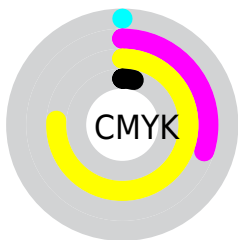
# Distribution



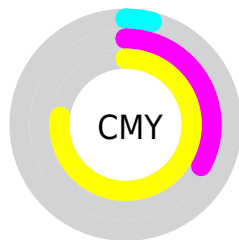
- Red (96%)
- Green (67%)
- Blue (23%)



- Red (70%)
- Yellow (96%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (76%)
- Black (4%)




- Cyan (4%)
- Magenta (33%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1724, 49.2230, 10.7015 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 53.1724, 49.2230, 10.7015 by changing the saturation by 10% instead.





 53.1724, 49.2230,  
10.7015

 53.1724, 49.2230,  
10.7015


389.1962,  
383.6196, 206.2714


 38.1684, 34.7964,  
5.7549

 94.0220, 89.0226,  
27.7350

 26.2913, 23.5061,  
2.6302


 120.5984,  
115.1643, 40.6590


 17.1755, 14.9676,  
0.9080


 151.7630,  
145.9799, 57.0791

 10.4558, 8.7967,  
0.0000

 187.8811,  
181.8538, 77.4140

 5.7667, 4.6088,  
0.0000

 229.3182,  
223.1703, 102.0821

 2.7431, 2.0196,  
0.0000

276.4395,

 1.0194, 0.6188,

270.3138, 131.5020

0.0000

329.6104,  
323.6688, 166.0923

■ 0.0000, 0.0000,  
0.0000

■ 53.1724, 49.2230,  
10.7015

■ 53.1724, 49.2230,  
10.7015

■ 50.9361, 45.5221,  
7.5782

■ 55.8382, 53.3093,  
15.4303

■ 49.0768, 42.1753,  
5.8126


■ 58.9699, 57.7938,  
21.9582


■ 48.4612, 41.0230,  
5.3640


■ 62.6029, 62.6968,  
30.4543

■ 66.7678, 68.0346,  
41.0670

■ 71.4924, 73.8221,  
53.9305

 76.8023, 80.0733,  
69.1675

 82.7211, 86.8016,  
86.8922

 89.2714, 94.0195,  
107.2111

 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.



65.8787, 49.2230, 17.9634



53.1724, 49.2230, 10.7015



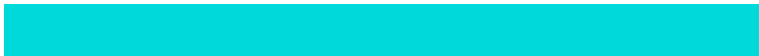
40.7029, 49.2230, 10.7671

# Triad

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



53.1724, 49.2230, 10.7015



27.1660, 49.2230, 73.9746



66.1085, 49.2230, 118.3252

# Complementary

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



53.1724, 49.2230, 10.7015



26.3422, 23.7238, 89.5763

# 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.



53.4447, 49.2230, 151.6269



53.1724, 49.2230, 10.7015



31.7907, 49.2230, 119.2146

# Square

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



53.1724, 49.2230, 10.7015



27.1195, 49.2230, 37.9164



40.9307, 49.2230, 152.0103



74.2050, 49.2230, 73.0920



# Rectangle

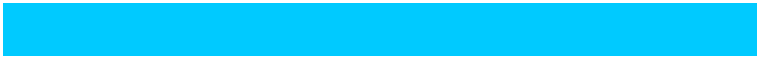
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1724, 49.2230, 10.7015



34.1850, 49.2230, 14.6811



40.9307, 49.2230, 152.0103



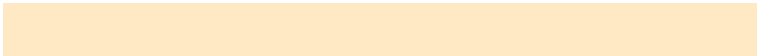
62.1533, 49.2230, 132.0272

# Sweetspot

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



53.1735, 49.2255, 10.7024



80.1303, 83.0346, 64.2376



43.3891, 24.1268, 24.4887



16.7184, 17.2564, 12.5291



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.



53.1735, 49.2255, 10.7024



54.5427, 47.6577, 7.0048



64.8740, 81.8270, 16.3785



17.3400, 18.1642, 17.3897



26.2458, 22.3772, 2.9359



2.4065, 2.1662, 0.2913



# Inverse Universe

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



26.3422, 23.7238, 89.5763



24.1381, 18.9557, 96.9943



21.0312, 11.1845, 87.4358



16.1117, 16.9876, 20.9723



11.2393, 8.2724, 47.5424



1.0847, 0.9207, 4.2108



# Previews

## White Background



This preview shows how the XYZ color 53.1724, 49.2230, 10.7015 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 53.1724, 49.2230, 10.7015 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 53.1724, 49.2230, 10.7015**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1724, 49.2230, 10.7015.



This preview shows how white text looks on a background with the XYZ color 53.1724, 49.2230,



# 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

53.1724, 49.2230, 10.7015

### Protanopia

44.9343, 49.4438, 11.7327

### Deuteranopia

50.3676, 49.2222, 10.5876



## Tritanopia

60.4326, 49.2023, 45.8470

# Trichromacy



## Original Color

53.1724, 49.2230, 10.7015

## Protanomaly

47.6945, 49.3224, 11.4213

## Deuteranomaly

51.3284, 49.1325, 10.6491

## Tritanomaly

56.6188, 48.6887, 27.8865

# Monochromacy



## Original Color

53.1724, 49.2230, 10.7015

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.2662, 46.4557, 29.8736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1724, 49.2230, 10.7015 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, 172, 58)` looks like.

```
.text, #text, p{  
    color:rgb(245, 172, 58)  
}
```

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, 172, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 172, 58) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1724, 49.2230, 10.7015 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, 172, 58) }
```



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

```
.border{ border-color:rgb(245, 172, 58) }
```

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

Here you see how a box with a 4 pixel rgb(245, 172, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 172, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 172, 58);  
box-shadow:4px 4px 4px 4px rgb(245, 172,  
58) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1724, 49.2230, 10.7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 172, 58) }
```

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

```
.background{ background-color: rgb(245,  
172, 58) }
```

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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