

# Converting Colors

XYZ(37.9705, 35.4090, 5.1415)

Have a look what the booklet for  
XYZ(37.9705, 35.4090, 5.1415)  
contains.

<b>XYZ(37.9592, 35.5161, 5.1712)</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(37.9592, 35.5161,  
5.1712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4950B
RGB	212, 149, 11
RGB Percent	83%, 58%, 4%
CMY	0.1686, 0.4157, 0.9568
CMYK	0.00, 0.30, 0.95, 0.17
HSL	41°, 90%, 44%
HSV	41°, 95%, 83%
XYZ	37.9592, 35.5161, 5.1712
YIQ	152.1050, 81.8460, -29.5620

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">103, 212, 11</a>
Decimal	<a href="#">13931787</a>
CIELab	<a href="#">66.15, 14.12, 69.21</a>
CIELCh	<a href="#">66, 70.633, 78.467</a>
Yxy	<a href="#">35.5161, 0.4827, 0.4516</a>
Android (android.graphics.Color)	<a href="#">4292121867</a> ( <a href="#">0xFFD4950B</a> )
YUV	<a href="#">152.1050, -69.5648, 52.5279</a>
Hunter-Lab	<a href="#">59.5954, 9.4034, 36.5721</a>

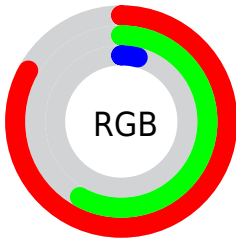
# Details

The XYZ color **37.9592, 35.5161, 5.1712** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **14.4708, 9.7227, 63.4008**, and the grayscale version is **30.1581, 31.7287, 34.5526**.

A 20% lighter version of the original color is **63.9711, 64.5219, 16.2901**, and **17.4107, 15.5991, 2.0933** is the 20% darker color. If you saturate the color by 10%, you get **37.3615, 34.4178, 4.6741**, and if you desaturate by 10%, it is **39.2446, 37.7621, 6.6020**.

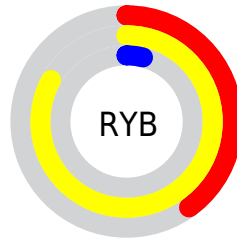
# Distribution



Red (83%)

Green (58%)

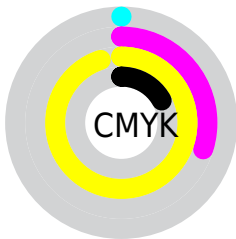
Blue (4%)



Red (40%)

Yellow (83%)

Blue (4%)

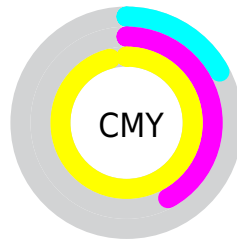


Cyan (0%)

Magenta (30%)

Yellow (95%)

Black (17%)



Cyan (17%)

Magenta (42%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9592, 35.5161, 5.1712 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 37.9592, 35.5161, 5.1712 by changing the saturation by 10% instead.





 37.9592, 35.5161,  
5.1712


 37.9592, 35.5161,  
5.1712

328.7288,  
326.8405, 160.4685


 26.1281, 24.0607,  
2.2876


 71.3499, 68.2845,  
16.6317


 17.0527, 15.3787,  
0.7242


 93.6402, 90.3663,  
26.0456

 10.3676, 9.0856,  
0.0000


 120.1476,  
116.7591, 38.4733

 5.7075, 4.7970,  
0.0000

 151.2375,  
147.8471, 54.3334

 2.7070, 2.1287,  
0.0000

 187.2752,  
184.0149, 74.0445

 1.0008, 0.6807,  
0.0000

 228.6261,

 0.0000, 0.0000,

225.6468, 98.0250

0.0000

275.6555,  
273.1272, 126.6935

37.9592, 35.5161,  
5.1712

37.9592, 35.5161,  
5.1712

37.3615, 34.4178,  
4.6741

39.2446, 37.7621,  
6.6020

40.7755, 40.2024,  
9.0286

42.5845, 42.8529,  
12.6139

44.6975, 45.7256,  
17.4907

47.1373, 48.8309,  
23.7737

■ 49.9240, 52.1783,  
31.5648

■ 53.0759, 55.7766,  
40.9564

■ 56.6101, 59.6339,  
52.0334

■ 60.5421, 63.7578,  
64.8749

# Harmonies

## Analogous

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



49.0014, 35.5161, 9.5179



37.9592, 35.5161, 5.1712



27.7539, 35.5161, 5.6594

# Triad

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



37.9592, 35.5161, 5.1712



17.9925, 35.5161, 60.0444



51.2498, 35.5161, 91.1152

# Complementary

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



37.9592, 35.5161, 5.1712



14.4708, 9.7227, 63.4008

# 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.



40.5688, 35.5161, 123.5979



37.9592, 35.5161, 5.1712



22.0559, 35.5161, 100.1597

# Square

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



37.9592, 35.5161, 5.1712



17.5800, 35.5161, 28.2187



29.8769, 35.5161, 127.5691



57.6713, 35.5161, 51.4300



# Rectangle

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



37.9592, 35.5161, 5.1712



22.6853, 35.5161, 8.7575



29.8769, 35.5161, 127.5691



47.9474, 35.5161, 103.9599

# Sweetspot

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



37.9600, 35.5179, 5.1719



78.8819, 82.7680, 56.9462



28.5292, 14.7398, 7.9367



16.4407, 17.2081, 10.8733



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.



37.9600, 35.5179, 5.1719



56.5853, 51.9506, 7.0451



41.3169, 56.2422, 8.9951



13.1293, 13.8328, 13.1387



23.1585, 21.4343, 2.9167



1.4693, 1.4378, 0.2001



# Inverse Universe

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



14.4708, 9.7227, 63.4008



20.9129, 12.9458, 96.0043



13.2156, 5.6180, 62.6746



12.0570, 12.6375, 15.7413



8.6346, 5.5309, 39.0656



0.5940, 0.4801, 2.3807



# Previews

## White Background



This preview shows how the XYZ color 37.9592, 35.5161, 5.1712 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 37.9592, 35.5161, 5.1712 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 37.9592, 35.5161, 5.1712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9592, 35.5161, 5.1712.



This preview shows how white text looks on a background with the XYZ color 37.9592, 35.5161,



# 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

37.9592, 35.5161, 5.1712

### Protanopia

32.3129, 35.8262, 5.7424

### Deuteranopia

36.2931, 35.6198, 4.9625



## Tritanopia

43.8709, 35.6952, 33.0114

# Trichromacy



## Original Color

37.9592, 35.5161, 5.1712

## Protanomaly

34.1355, 35.4859, 5.5023

## Deuteranomaly

36.9823, 35.7306, 5.0624

## Tritanomaly

40.3935, 35.1447, 16.4590

# Monochromacy



## Original Color

37.9592, 35.5161, 5.1712

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.8711, 32.0715, 16.8752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9592, 35.5161, 5.1712 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(212, 149, 11)` looks like.

```
.text, #text, p{  
    color:rgb(212, 149, 11)  
}
```

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(212, 149, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 149, 11) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9592, 35.5161, 5.1712 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(212, 149, 11) }
```



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

```
.border{ border-color:rgb(212, 149, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 149, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 149, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 149, 11);  
box-shadow:4px 4px 4px 4px rgb(212, 149,  
11) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9592, 35.5161, 5.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 149, 11) }
```

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

```
.background{ background-color: rgb(212,  
149, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor