

# Converting Colors

XYZ(43.1364, 39.8931, 7.8692)

Have a look what the booklet for  
XYZ(43.1364, 39.8931, 7.8692)  
contains.

<b>XYZ(43.1026, 39.8137, 7.8957)</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(43.1026, 39.8137,  
7.8957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E09C2D
RGB	224, 156, 45
RGB Percent	88%, 61%, 18%
CMY	0.1216, 0.3882, 0.8235
CMYK	0.00, 0.30, 0.80, 0.12
HSL	37°, 74%, 53%
HSV	37°, 80%, 88%
XYZ	43.1026, 39.8137, 7.8957
YIQ	163.6780, 76.1590, -20.1050

# Conversions

## Conversions Part 2

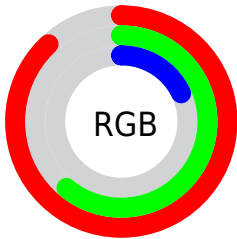
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	155, 224, 45
Decimal	14720045
CIE Lab	69.34, 16.31, 63.73
CIE LCh	69, 65.785, 75.644
Yxy	39.8137, 0.4746, 0.4384
Android (android.graphics.Color)	4292910125 (0xFFE09C2D)
YUV	163.6780, -58.5083, 52.9024
Hunter-Lab	63.0981, 11.5125, 36.7495

# Details

The XYZ color **43.1026, 39.8137, 7.8957** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **20.4416, 17.7494, 72.8691**, and the grayscale version is **35.3785, 37.2209, 40.5336**.

A 20% lighter version of the original color is **66.5868, 68.2733, 21.7251**, and **20.3614, 17.9957, 2.4003** is the 20% darker color. If you saturate the color by 10%, you get **41.4022, 36.9300, 5.7360**, and if you desaturate by 10%, it is **45.1334, 42.9930, 11.2937**.

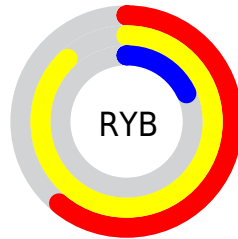
# Distribution



Red (88%)

Green (61%)

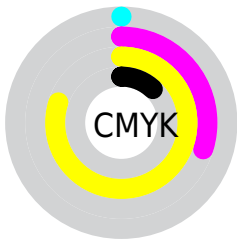
Blue (18%)



Red (61%)

Yellow (88%)

Blue (18%)

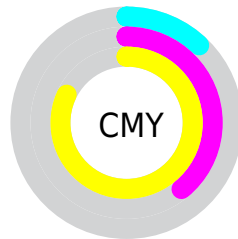


Cyan (0%)

Magenta (30%)

Yellow (80%)

Black (12%)



Cyan (12%)

Magenta (39%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1026, 39.8137, 7.8957 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 43.1026, 39.8137, 7.8957 by changing the saturation by 10% instead.





 43.1026, 39.8137,  
7.8957


 43.1026, 39.8137,  
7.8957


349.9479,  
345.3377, 184.8156

 30.1605, 27.3933,  
3.9415


 79.1204, 74.8797,  
22.2965


 20.1091, 17.8688,  
1.5933


 102.9268, 98.2942,  
33.5802


 12.5831, 10.8559,  
0.2860

 131.0854,  
126.1421, 48.1440

 7.2171, 5.9700,  
0.0000

 163.9615,  
158.8079, 66.4067

 3.6458, 2.8268,  
0.0000

 201.9204,  
196.6760, 88.7866

 1.5038, 1.0420,  
0.0000

 245.3275,

 0.3284, 0.0000,

240.1307, 115.7024

0.0000

294.5483,  
289.5565, 147.5725

■ 0.0000, 0.0000,  
0.0000

■ 43.1026, 39.8137,  
7.8957

■ 43.1026, 39.8137,  
7.8957

■ 41.4022, 36.9300,  
5.7360

■ 45.1334, 42.9930,  
11.2937

■ 39.9723, 34.3096,  
4.5215

■ 47.5255, 46.4784,  
16.0956

■ 39.9600, 34.2866,  
4.5119

■ 50.3087, 50.2864,  
22.4436

■ 53.5080, 54.4302,  
30.4617

■ 57.1465, 58.9219,  
40.2611

■ 61.2450, 63.7726,  
51.9436

■ 65.8230, 68.9929,  
65.6031

■ 70.8988, 74.5927,  
81.3270

■ 76.4894, 80.5817,  
99.1977

# Harmonies

## Analogous

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



53.8851, 39.8137, 13.6494



43.1026, 39.8137, 7.8957



32.6266, 39.8137, 8.0048

# Triad

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



43.1026, 39.8137, 7.8957



21.4642, 39.8137, 60.9965



54.2944, 39.8137, 98.0341

# Complementary

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



43.1026, 39.8137, 7.8957



20.4416, 17.7494, 72.8691

# 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.



43.5849, 39.8137, 126.9126



43.1026, 39.8137, 7.8957



25.3480, 39.8137, 99.6341

# Square

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



43.1026, 39.8137, 7.8957



21.3834, 39.8137, 30.4718



33.0274, 39.8137, 127.6057



61.1160, 39.8137, 59.4258



# Rectangle

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



43.1026, 39.8137, 7.8957



27.2003, 39.8137, 11.1864



33.0274, 39.8137, 127.6057



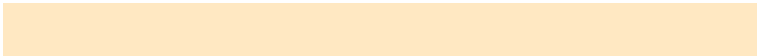
50.9494, 39.8137, 109.8541

# Sweetspot

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



43.1035, 39.8157, 7.8965



79.7422, 82.7201, 62.6850



34.6944, 18.9305, 17.6315



16.6509, 17.2096, 12.2346



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.



43.1035, 39.8157, 7.8965



54.2180, 47.1267, 6.5317



51.7895, 66.2133, 12.5339



14.4116, 15.1091, 14.4636



23.3740, 20.1858, 2.6643



1.7057, 1.5702, 0.2132



# Inverse Universe

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



20.4416, 17.7494, 72.8691



23.0468, 17.0241, 96.6790



16.6322, 8.4132, 71.2678



13.3766, 14.0924, 17.4028



9.8290, 7.1275, 41.9061



0.7658, 0.6630, 2.9328



# Previews

## White Background



This preview shows how the XYZ color 43.1026, 39.8137, 7.8957 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 43.1026, 39.8137, 7.8957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

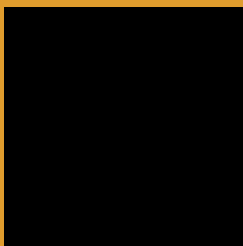
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.1026, 39.8137, 7.8957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1026, 39.8137, 7.8957.



This preview shows how white text looks on a background with the XYZ color 43.1026, 39.8137,



# 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

43.1026, 39.8137, 7.8957

### Protanopia

36.1643, 39.9184, 8.7047

### Deuteranopia

40.6215, 39.8103, 7.8287



## Tritanopia

48.9978, 39.8151, 37.0009

# Trichromacy



## Original Color

43.1026, 39.8137, 7.8957

## Protanomaly

38.3458, 39.6802, 8.4343

## Deuteranomaly

41.4680, 39.7298, 7.8659

## Tritanomaly

46.0536, 39.5676, 21.7330

# Monochromacy



## Original Color

43.1026, 39.8137, 7.8957

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

36.4458, 37.3093, 23.3697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1026, 39.8137, 7.8957 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(224, 156, 45)` looks like.

```
.text, #text, p{  
    color:rgb(224, 156, 45)  
}
```

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(224, 156, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 156, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1026, 39.8137, 7.8957 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(224, 156, 45) }
```



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

```
.border{ border-color:rgb(224, 156, 45) }
```

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

Here you see how a box with a 4 pixel rgb(224, 156, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 156, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 156, 45);  
box-shadow:4px 4px 4px 4px rgb(224, 156,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1026, 39.8137, 7.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 156, 45) }
```

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

```
.background{ background-color: rgb(224,  
156, 45) }
```

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