

# Converting Colors

XYZ(43.0280, 40.6365, 13.7594)

Have a look what the booklet for  
XYZ(43.0280, 40.6365, 13.7594)  
contains.

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# Color

**XYZ(43.0456, 40.6716,  
13.7653)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DAA053
RGB	218, 160, 83
RGB Percent	85%, 63%, 33%
CMY	0.1451, 0.3725, 0.6745
CMYK	0.00, 0.27, 0.62, 0.15
HSL	34°, 65%, 59%
HSV	34°, 62%, 85%
XYZ	43.0456, 40.6716, 13.7653
YIQ	168.5640, 59.2850, -11.6510

# Conversions

## Conversions Part 2

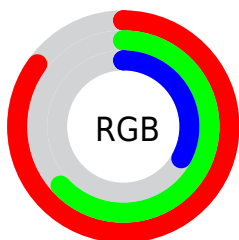
Format	Color
<a href="#">RYB</a>	<a href="#">185, 218, 83</a>
Decimal	<a href="#">14327891</a>
CIELab	<a href="#">69.95, 13.52, 47.80</a>
CIELCh	<a href="#">70, 49.678, 74.209</a>
Yxy	<a href="#">40.6716, 0.4416, 0.4172</a>
Android (android.graphics.Color)	<a href="#">4292517971</a> (0xFFDAA053)
YUV	<a href="#">168.5640, -42.1831, 43.3554</a>
Hunter-Lab	<a href="#">63.7743, 8.8768, 31.8446</a>

# Details

The XYZ color **43.0456, 40.6716, 13.7653** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.7466, 25.9496, 69.9811**, and the grayscale version is **37.6788, 39.6410, 43.1691**.

A 20% lighter version of the original color is **69.9136, 71.6101, 33.0590**, and **20.0412, 18.4180, 3.9376** is the 20% darker color. If you saturate the color by 10%, you get **40.7700, 37.2623, 9.4870**, and if you desaturate by 10%, it is **45.7100, 44.4354, 19.4791**.

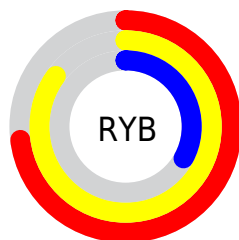
# Distribution



Red (85%)

Green (63%)

Blue (33%)



Red (73%)

Yellow (85%)

Blue (33%)

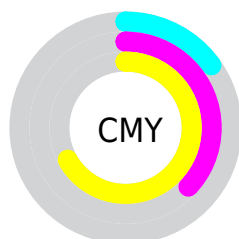


Cyan (0%)

Magenta (27%)

Yellow (62%)

Black (15%)



Cyan (15%)

Magenta (37%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0456, 40.6716, 13.7653 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 43.0456, 40.6716, 13.7653 by changing the saturation by 10% instead.





 43.0456, 40.6716,  
13.7653


 43.0456, 40.6716,  
13.7653


349.7176,  
348.9462, 227.1433

 30.1156, 28.0626,  
7.8207


 79.0350, 76.1851,  
33.3831


 20.0748, 18.3728,  
3.8943


 102.8250, 99.8584,  
47.8934


 12.5580, 11.2180,  
1.5676


 130.9657,  
127.9886, 66.0961

 7.1998, 6.2137,  
0.2675

 163.8225,  
160.9600, 88.4096

 3.6348, 2.9754,  
0.0000

 201.7608,  
199.1570, 115.2526

 1.4977, 1.1189,  
0.0000


245.1458,


 0.3243, 0.0000,


242.9642, 147.0435


0.0000


294.3430,  
292.7658, 184.2008


 0.0000, 0.0000,  
0.0000


 43.0456, 40.6716,  
13.7653


 43.0456, 40.6716,  
13.7653


 40.7700, 37.2623,  
9.4870


 45.7100, 44.4354,  
19.4791


 38.8518, 34.1857,  
6.5054


 48.7854, 48.5618,  
26.7451

 37.2584, 31.4261,  
4.6575


 52.2953, 53.0659,  
35.6707


 36.1647, 29.4083,  
3.7703


 56.2604, 57.9598,  
46.3527

 60.6999, 63.2551,  
58.8806

 65.6318, 68.9627,  
73.3378

 71.0731, 75.0928,  
89.8025

 76.6506, 81.4999,  
106.2989

 79.4017, 87.0023,  
107.2159

# Harmonies

## Analogous

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



50.9107, 40.6716, 19.9223



43.0456, 40.6716, 13.7653



34.9641, 40.6716, 13.6198

# Triad

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



43.0456, 40.6716, 13.7653



25.4560, 40.6716, 56.1414



50.5467, 40.6716, 84.4971

# Complementary

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



43.0456, 40.6716, 13.7653



25.7466, 25.9496, 69.9811

# 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.



42.6015, 40.6716, 103.0138



43.0456, 40.6716, 13.7653



28.5467, 40.6716, 83.1664

# Square

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



43.0456, 40.6716, 13.7653



25.5402, 40.6716, 33.2361



34.5776, 40.6716, 102.4560



55.6363, 40.6716, 57.5444



# Rectangle

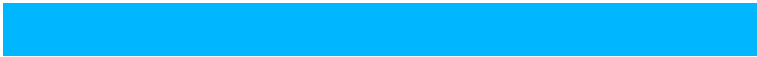
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.0456, 40.6716, 13.7653



30.5563, 40.6716, 16.7191



34.5776, 40.6716, 102.4560



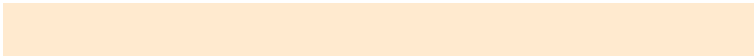
48.0764, 40.6716, 92.2743

# Sweetspot

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



43.0466, 40.6736, 13.7661



81.9234, 84.6948, 70.7734



36.8518, 23.0303, 27.8982



17.1595, 17.6749, 14.1058



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.



43.0466, 40.6736, 13.7661



57.3560, 51.9044, 12.1963



52.9271, 64.3224, 17.8100



13.6695, 14.2783, 13.7611



21.7754, 17.8364, 2.2951



1.4956, 1.3254, 0.1770



# Inverse Universe

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



25.7466, 25.9496, 69.9811



30.8074, 29.3694, 98.6529



20.1621, 13.5242, 67.8771



12.7964, 13.5325, 16.5897



10.0633, 7.9960, 40.7514

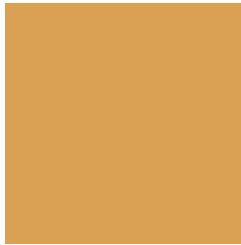


0.7364, 0.6869, 2.6682



# Previews

## White Background



This preview shows how the XYZ color 43.0456, 40.6716, 13.7653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

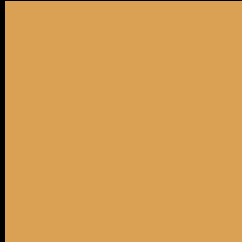
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0456, 40.6716, 13.7653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

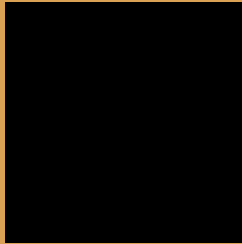
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.0456, 40.6716, 13.7653**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0456, 40.6716, 13.7653.



This preview shows how white text looks on a background with the XYZ color 43.0456, 40.6716,



# 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

43.0456, 40.6716, 13.7653

### Protanopia

37.2695, 40.6328, 14.8954

### Deuteranopia

41.4842, 40.6525, 13.6429



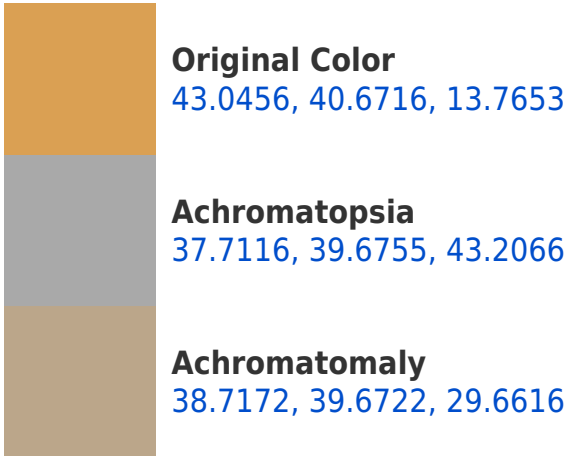
## Tritanopia

48.4179, 40.6249, 39.9398

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0456, 40.6716, 13.7653 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(218, 160, 83)` looks like.

```
.text, #text, p{  
    color:rgb(218, 160, 83)  
}
```

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(218, 160, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 160, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0456, 40.6716, 13.7653 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(218, 160, 83) }
```



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

```
.border{ border-color:rgb(218, 160, 83) }
```

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

Here you see how a box with a 4 pixel rgb(218, 160, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 160, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 160, 83);  
box-shadow:4px 4px 4px 4px rgb(218, 160,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0456, 40.6716, 13.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 160, 83) }
```

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

```
.background{ background-color: rgb(218,  
160, 83) }
```

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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