

# Converting Colors

XYZ(43.1365, 36.9227, 13.8525)

Have a look what the booklet for  
XYZ(43.1365, 36.9227, 13.8525)  
contains.

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# Color

**XYZ(43.0576, 36.8034,  
13.8512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E29057
RGB	226, 144, 87
RGB Percent	89%, 56%, 34%
CMY	0.1137, 0.4353, 0.6588
CMYK	0.00, 0.36, 0.62, 0.11
HSL	25°, 71%, 61%
HSV	25°, 62%, 89%
XYZ	43.0576, 36.8034, 13.8512
YIQ	162.0200, 67.1690, -0.3430

# Conversions

## Conversions Part 2

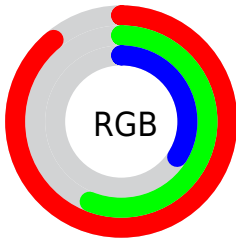
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 184, 87
Decimal	14848087
CIE <sub>Lab</sub>	67.13, 25.69, 42.74
CIE <sub>LCh</sub>	67, 49.868, 58.989
Yxy	36.8034, 0.4595, 0.3927
Android (android.graphics.Color)	4293038167 (0xFFE29057)
YUV	162.0200, -36.9849, 56.1105
Hunter-Lab	60.6658, 20.5253, 28.9290

# Details

The XYZ color **43.0576, 36.8034, 13.8512** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.8450, 35.8913, 77.2004**, and the grayscale version is **34.4987, 36.2953, 39.5256**.

A 20% lighter version of the original color is **66.0215, 63.4831, 32.8185**, and **20.0064, 16.0822, 3.9692** is the 20% darker color. If you saturate the color by 10%, you get **40.3735, 32.6888, 9.0923**, and if you desaturate by 10%, it is **46.2709, 41.5142, 20.2127**.

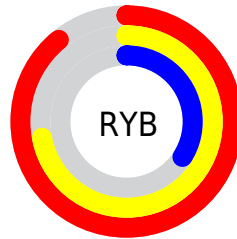
# Distribution



Red (89%)

Green (56%)

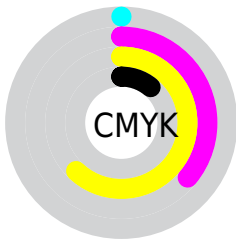
Blue (34%)



Red (89%)

Yellow (72%)

Blue (34%)

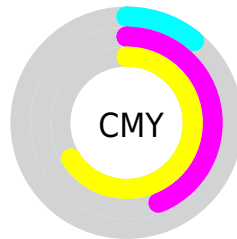


Cyan (0%)

Magenta (36%)

Yellow (62%)

Black (11%)



Cyan (11%)

Magenta (44%)


Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0576, 36.8034, 13.8512 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 43.0576, 36.8034, 13.8512 by changing the saturation by 10% instead.





 43.0576, 36.8034,  
13.8512


 43.0576, 36.8034,  
13.8512


349.7661,  
332.4586, 227.6993

 30.1250, 25.0553,  
7.8797


 79.0529, 70.2703,  
33.5381


 20.0821, 16.1183,  
3.9314


 102.8464, 92.7579,  
48.0905


 12.5633, 9.6079,  
1.5878


 130.9909,  
119.5942, 66.3404

 7.2035, 5.1398,  
0.2821

 163.8518,  
151.1634, 88.7061

 3.6371, 2.3295,  
0.0000

 201.7944,  
187.8501, 115.6064

 1.4990, 0.7893,  
0.0000

245.1841,

 0.3251, 0.0000,

230.0386, 147.4596

0.0000

294.3862,  
278.1133, 184.6844

■ 0.0000, 0.0000,  
0.0000

■ 43.0576, 36.8034,  
13.8512

■ 43.0576, 36.8034,  
13.8512

■ 40.3735, 32.6888,  
9.0923

■ 46.2709, 41.5142,  
20.2127

■ 38.1796, 29.1372,  
5.7837

■ 50.0431, 46.8412,  
28.3059

■ 36.4347, 26.1194,  
3.7464

■ 54.4042, 52.8098,  
38.2489

■ 35.2506, 23.9422,  
2.7634

■ 59.3815, 59.4425,  
50.1489

■ 65.0001, 66.7604,  
64.1046

■ 71.2838, 74.7835,  
80.2082

■ 78.2549, 83.5311,  
98.5461

■ 83.8043, 92.1695,  
107.9813

■ 85.1739, 94.9087,  
108.4378

# Harmonies

## Analogous

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



49.3741, 36.8034, 23.0275



43.0576, 36.8034, 13.8512



35.2390, 36.8034, 11.1131

# Triad

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



43.0576, 36.8034, 13.8512



22.3155, 36.8034, 39.3388



42.5468, 36.8034, 88.9247

# Complementary

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



43.0576, 36.8034, 13.8512



31.8450, 35.8913, 77.2004

# 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.



34.7234, 36.8034, 98.1295



43.0576, 36.8034, 13.8512



23.6974, 36.8034, 63.9541

# Square

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



43.0576, 36.8034, 13.8512



23.8968, 36.8034, 22.1548



27.9825, 36.8034, 87.6745



49.0504, 36.8034, 65.7165



# Rectangle

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



43.0576, 36.8034, 13.8512



30.4403, 36.8034, 12.1065



27.9825, 36.8034, 87.6745



39.9512, 36.8034, 94.0637

# Sweetspot

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



43.0585, 36.8053, 13.8519



80.4836, 81.3135, 71.8397



42.0658, 25.9028, 41.0117



16.7802, 16.8188, 14.2794



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.



43.0585, 36.8053, 13.8519



52.1583, 41.5091, 10.4638



56.6527, 63.9937, 18.3833



14.1666, 14.6191, 14.3819



20.2209, 13.8796, 1.6133



1.4881, 1.1351, 0.1407



# Inverse Universe

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



31.8450, 35.8913, 77.2004



36.1603, 40.0752, 100.4372



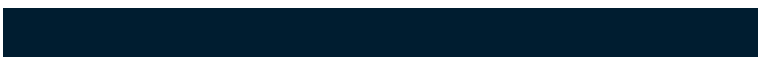
22.3022, 16.8055, 74.0195



13.6207, 14.5805, 17.4841



12.7608, 12.9912, 42.8833



0.9720, 1.0754, 3.0016



# Previews

## White Background



This preview shows how the XYZ color 43.0576, 36.8034, 13.8512 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 43.0576, 36.8034, 13.8512 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 43.0576, 36.8034, 13.8512**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0576, 36.8034, 13.8512.



This preview shows how white text looks on a background with the XYZ color 43.0576, 36.8034,



# 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

43.0576, 36.8034, 13.8512

### Protanopia

34.1182, 37.0624, 15.9452

### Deuteranopia

37.5761, 36.8345, 13.5168



## Tritanopia

46.8452, 36.8209, 32.2419

# Trichromacy



**Original Color**

43.0576, 36.8034, 13.8512

**Protanomaly**

36.9713, 36.7396, 15.0404

**Deuteranomaly**

39.4463, 36.8140, 13.6211

**Tritanomaly**

45.3929, 36.8948, 24.1310

# Monochromacy



**Original Color**

43.0576, 36.8034, 13.8512

**Achromatopsia**

34.3422, 36.1307, 39.3463

**Achromatomaly**

36.1021, 35.5062, 27.8723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0576, 36.8034, 13.8512 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(226, 144, 87)` looks like.

```
.text, #text, p{  
    color:rgb(226, 144, 87)  
}
```

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(226, 144, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 144, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0576, 36.8034, 13.8512 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(226, 144, 87) }
```



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

```
.border{ border-color:rgb(226, 144, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 144, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 144, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 144, 87);  
box-shadow:4px 4px 4px 4px rgb(226, 144,  
87) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0576, 36.8034, 13.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 144, 87) }
```

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

```
.background{ background-color: rgb(226,  
144, 87) }
```

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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