

# Converting Colors

XYZ(43.8694, 37.6694, 13.3878)

Have a look what the booklet for  
XYZ(43.8694, 37.6694, 13.3878)  
contains.

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# Color

**XYZ(43.8740, 37.6918,  
13.3503)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | E49254                     |
| RGB           | 228, 146, 84               |
| RGB Percent   | 89%, 57%, 33%              |
| CMY           | 0.1059, 0.4274, 0.6706     |
| CMYK          | 0.00, 0.36, 0.63, 0.11     |
| HSL           | 26°, 73%, 61%              |
| HSV           | 26°, 63%, 89%              |
| XYZ           | 43.8740, 37.6918, 13.3503  |
| YIQ           | 163.4500, 68.7740, -1.8980 |

# Conversions

## Conversions Part 2

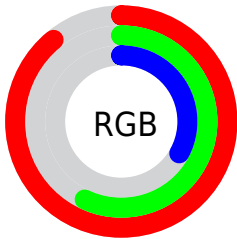
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">228, 193, 84</a>                |
| Decimal                             | <a href="#">14979668</a>                    |
| CIELab                              | <a href="#">67.79, 25.24, 45.11</a>         |
| CIELCh                              | <a href="#">68, 51.694, 60.769</a>          |
| Yxy                                 | <a href="#">37.6918, 0.4622, 0.3971</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4293169748<br/>(0xFFE49254)</a> |
| YUV                                 | <a href="#">163.4500, -39.1688, 56.6104</a> |
| Hunter-Lab                          | <a href="#">61.3936, 20.1233, 30.0827</a>   |

# Details

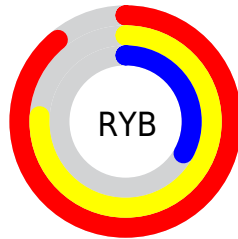
The XYZ color **43.8740, 37.6918, 13.3503** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.2951, 34.7569, 78.4577**, and the grayscale version is **35.1833, 37.0156, 40.3100**.

A 20% lighter version of the original color is **66.2675, 64.3178, 31.8436**, and **20.5440, 16.6306, 3.7173** is the 20% darker color. If you saturate the color by 10%, you get **41.2333, 33.6146, 8.7585**, and if you desaturate by 10%, it is **47.0343, 42.3436, 19.5494**.

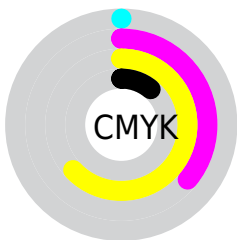
# Distribution



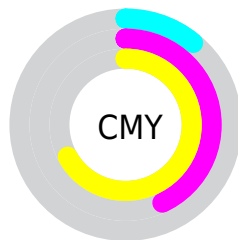
- Red (89%)
- Green (57%)
- Blue (33%)



- Red (89%)
- Yellow (76%)
- Blue (33%)



- Cyan (0%)
- Magenta (36%)
- Yellow (63%)
- Black (11%)




- Cyan (11%)
- Magenta (43%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8740, 37.6918, 13.3503 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 43.8740, 37.6918, 13.3503 by changing the saturation by 10% instead.





 43.8740, 37.6918,  
13.3503


 43.8740, 37.6918,  
13.3503

353.0548,  
336.2960, 224.4368


 30.7689, 25.7436,  
7.5366


 80.2756, 71.6355,  
32.6321

 20.5739, 16.6319,  
3.7164


 104.3029, 94.3998,  
46.9372


 12.9236, 9.9724,  
1.4711


 132.7017,  
121.5382, 64.9100

 7.4526, 5.3807,  
0.1963

 165.8372,  
153.4351, 86.9689

 3.7956, 2.4723,  
0.0000

 204.0750,  
190.4750, 113.5325

 1.5871, 0.8627,  
0.0000

247.7802,

 0.3840, 0.0000,

233.0421, 145.0193

0.0000

297.3184,  
281.5210, 181.8479

■ 0.0000, 0.0000,  
0.0000

■ 43.8740, 37.6918,  
13.3503

■ 43.8740, 37.6918,  
13.3503

■ 41.2333, 33.6146,  
8.7585

■ 47.0343, 42.3436,  
19.5494

■ 39.0726, 30.0794,  
5.6144

■ 50.7443, 47.5890,  
27.4902

■ 37.3492, 27.0578,  
3.7289

■ 55.0344, 53.4526,  
37.2952

■ 36.3788, 25.2621,  
2.9587

■ 59.9318, 59.9559,  
49.0751

■ 65.4619, 67.1192,  
62.9320

■ 71.6484, 74.9618,  
78.9607

■ 78.5138, 83.5021,  
97.2503

■ 84.1886, 92.0016,  
107.9286

■ 85.8047, 95.2339,  
108.4673

# Harmonies

## Analogous

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



50.7343, 37.6918, 22.3763



43.8740, 37.6918, 13.3503



35.6189, 37.6918, 10.8704

# Triad

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



43.8740, 37.6918, 13.3503



22.5400, 37.6918, 41.6341



44.2846, 37.6918, 91.7241

# Complementary

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



43.8740, 37.6918, 13.3503



31.2951, 34.7569, 78.4577

# 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.



36.0318, 37.6918, 102.7311



43.8740, 37.6918, 13.3503



24.1665, 37.6918, 67.9547

# Square

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



43.8740, 37.6918, 13.3503



24.0080, 37.6918, 23.0668



28.8259, 37.6918, 92.7386



50.9952, 37.6918, 66.5313



# Rectangle

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



43.8740, 37.6918, 13.3503



30.6424, 37.6918, 12.0926



28.8259, 37.6918, 92.7386



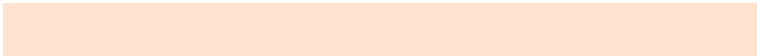
41.5612, 37.6918, 97.5503

# Sweetspot

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



43.8749, 37.6937, 13.3510



80.0295, 80.9070, 70.1421



42.2331, 25.6620, 39.7733



16.7028, 16.7614, 13.9536



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.



43.8749, 37.6937, 13.3510



52.1596, 41.7428, 9.7512



58.1508, 66.2455, 18.1096



14.8848, 15.3835, 15.0892



21.1192, 14.8126, 1.7460



1.6514, 1.2761, 0.1593



# Inverse Universe

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



31.2951, 34.7569, 78.4577



34.6540, 37.5528, 100.0297



21.8428, 15.8523, 75.3069



14.2606, 15.2426, 18.3348



12.8022, 12.6664, 44.1533

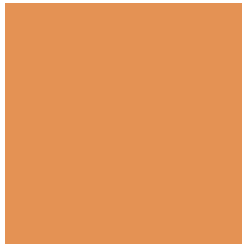


1.0379, 1.1197, 3.2934



# Previews

## White Background



This preview shows how the XYZ color 43.8740, 37.6918, 13.3503 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 43.8740, 37.6918, 13.3503 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 43.8740, 37.6918, 13.3503**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8740, 37.6918, 13.3503.



This preview shows how white text looks on a background with the XYZ color 43.8740, 37.6918,



# 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

43.8740, 37.6918, 13.3503

### Protanopia

34.8159, 37.9729, 15.3920

### Deuteranopia

38.6139, 37.8852, 13.0620



## Tritanopia

47.7920, 37.5027, 33.1536

# Trichromacy



## Original Color

43.8740, 37.6918, 13.3503

## Protanomaly

37.7128, 37.6430, 14.5107

## Deuteranomaly

40.5192, 37.8665, 13.1560

## Tritanomaly

46.1815, 37.5193, 24.2100

# Monochromacy



## Original Color

43.8740, 37.6918, 13.3503

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.8536, 36.4000, 27.6378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8740, 37.6918, 13.3503 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(228, 146, 84)` looks like.

```
.text, #text, p{  
    color:rgb(228, 146, 84)  
}
```

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(228, 146, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 146, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8740, 37.6918, 13.3503 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(228, 146, 84) }
```



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

```
.border{ border-color:rgb(228, 146, 84) }
```

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

Here you see how a box with a 4 pixel rgb(228, 146, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 146, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 146, 84);  
box-shadow:4px 4px 4px 4px rgb(228, 146,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8740, 37.6918, 13.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 146, 84) }
```

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

```
.background{ background-color: rgb(228,  
146, 84) }
```

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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