

# Converting Colors

XYZ(41.4002, 33.5433, 15.4865)

Have a look what the booklet for  
XYZ(41.4002, 33.5433, 15.4865)  
contains.

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# Color

**XYZ(41.2857, 33.4854,  
15.5966)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E08561
RGB	224, 133, 97
RGB Percent	88%, 52%, 38%
CMY	0.1216, 0.4784, 0.6196
CMYK	0.00, 0.41, 0.57, 0.12
HSL	17°, 67%, 63%
HSV	17°, 57%, 88%
XYZ	41.2857, 33.4854, 15.5966
YIQ	156.1050, 65.7920, 8.0960

# Conversions

## Conversions Part 2

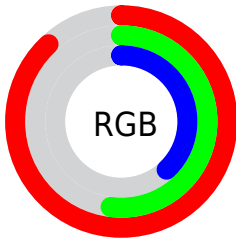
Format	Color
R <sub>Y</sub> B	224, 147, 97
Decimal	14714209
CIE Lab	64.55, 31.46, 34.24
CIE LCh	65, 46.496, 47.421
Yxy	33.4854, 0.4569, 0.3705
Android (android.graphics.Color)	4292904289 (0xFFE08561)
YUV	156.1050, -29.1388, 59.5439
Hunter-Lab	57.8666, 26.0868, 24.5263

# Details

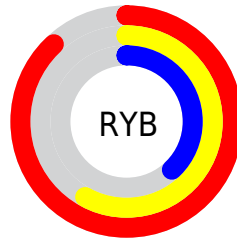
The XYZ color **41.2857, 33.4854, 15.5966** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.3665, 43.8875, 77.0752**, and the grayscale version is **31.7531, 33.4067, 36.3799**.

A 20% lighter version of the original color is **64.3556, 58.9388, 36.0014**, and **19.0887, 14.2557, 4.6513** is the 20% darker color. If you saturate the color by 10%, you get **38.3530, 29.0623, 10.1735**, and if you desaturate by 10%, it is **44.8506, 38.7013, 22.6856**.

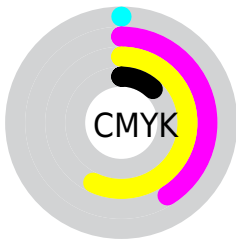
# Distribution



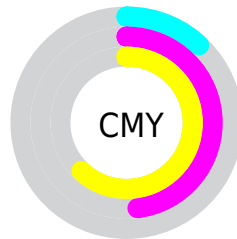
- Red (88%)
- Green (52%)
- Blue (38%)



- Red (88%)
- Yellow (58%)
- Blue (38%)



- Cyan (0%)
- Magenta (41%)
- Yellow (57%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2857, 33.4854, 15.5966 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 41.2857, 33.4854, 15.5966 by changing the saturation by 10% instead.





 41.2857, 33.4854,  
15.5966


 41.2857, 33.4854,  
15.5966

342.5555,  
317.8313, 238.7133

 28.7310, 22.4986,  
9.0879


 76.3894, 65.1326,  
36.6534


 19.0207, 14.2237,  
4.7010


 99.6691, 86.5618,  
52.0387

 11.7893, 8.2764,  
2.0172


 127.2546,  
112.2405, 71.2198

 6.6716, 4.2723,  
0.5659

 159.5112,  
142.5532, 94.6154

 3.3021, 1.8270,  
0.0000

196.8042,  
177.8842, 122.6440

 1.3154, 0.5039,  
0.0000

239.4990,

 0.1947, 0.0000,

218.6180, 155.7242

0.0000

287.9610,  
265.1389, 194.2744

■ 0.0000, 0.0000,  
0.0000

■ 41.2857, 33.4854,  
15.5966

■ 41.2857, 33.4854,  
15.5966

■ 38.3530, 29.0623,  
10.1735

■ 44.8506, 38.7013,  
22.6856

■ 36.0095, 25.3864,  
6.2748

■ 49.0821, 44.7425,  
31.5623

■ 34.2095, 22.4146,  
3.7385

■ 54.0147, 51.6455,  
42.3390

■ 32.8973, 20.0962,  
2.3576

■ 59.6800, 59.4433,  
55.1184

■ 32.5460, 19.4585,  
2.0405

■ 66.1072, 68.1668,  
69.9957

■ 73.3241, 77.8458,  
87.0599

■ 81.3570, 88.5084,  
106.3950

■ 84.5504, 94.5873,  
108.4086

# Harmonies

## Analogous

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



45.6519, 33.4854, 26.5586



41.2857, 33.4854, 15.5966



34.6935, 33.4854, 11.1260

# Triad

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



41.2857, 33.4854, 15.5966



20.9075, 33.4854, 29.0522



35.8105, 33.4854, 83.7484

# Complementary

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



41.2857, 33.4854, 15.5966



36.3665, 43.8875, 77.0752

# 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.



29.1226, 33.4854, 85.1502



41.2857, 33.4854, 15.5966



21.1195, 33.4854, 48.5590

# Square

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



41.2857, 33.4854, 15.5966



23.3096, 33.4854, 16.8719



23.9358, 33.4854, 70.6177



42.2010, 33.4854, 67.2727



# Rectangle

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



41.2857, 33.4854, 15.5966



30.2038, 33.4854, 10.8687



23.9358, 33.4854, 70.6177



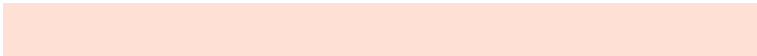
33.5071, 33.4854, 86.1614

# Sweetspot

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



41.2865, 33.4871, 15.5972



79.7191, 79.2749, 73.1561



44.0941, 28.0285, 50.6725



16.7185, 16.4961, 14.8733



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.



41.2865, 33.4871, 15.5972



50.8319, 38.0313, 12.5647



52.7473, 56.4086, 19.4175



14.0221, 14.3301, 14.3337



19.0288, 11.4955, 1.2159



1.3938, 0.9464, 0.1092



# Inverse Universe

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



36.3665, 43.8875, 77.0752



43.5278, 53.0615, 102.5555



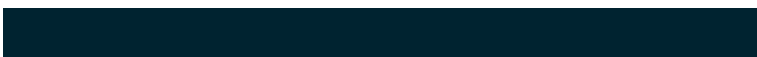
25.6571, 22.4687, 73.5054



13.7710, 14.8812, 17.5342



15.3009, 18.0715, 43.7301



1.1355, 1.4024, 3.0561



# Previews

## White Background



This preview shows how the XYZ color 41.2857, 33.4854, 15.5966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

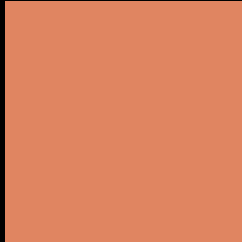
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2857, 33.4854, 15.5966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

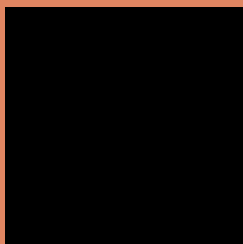
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2857, 33.4854, 15.5966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2857, 33.4854, 15.5966.



This preview shows how white text looks on a background with the XYZ color 41.2857, 33.4854,

15.5966.

# 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

41.2857, 33.4854, 15.5966

### Protanopia

31.2361, 33.7006, 18.4942

### Deuteranopia

34.4126, 33.6972, 15.2801



## Tritanopia

43.9131, 33.5754, 27.8331

# Trichromacy



## Original Color

41.2857, 33.4854, 15.5966

## Protanomaly

34.2733, 33.1062, 17.4157

## Deuteranomaly

36.6674, 33.4693, 15.3541

## Tritanomaly

42.8595, 33.5392, 22.6271

# Monochromacy



## Original Color

41.2857, 33.4854, 15.5966

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.0191, 32.7528, 27.4506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2857, 33.4854, 15.5966 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, 133, 97)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 97)  
}
```

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, 133, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2857, 33.4854, 15.5966 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, 133, 97) }
```



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

```
.border{ border-color:rgb(224, 133, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 97);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2857, 33.4854, 15.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 97) }
```

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

```
.background{ background-color: rgb(224,  
133, 97) }
```

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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