

# Converting Colors

XYZ(41.5070, 34.7900, 11.4076)

Have a look what the booklet for  
XYZ(41.5070, 34.7900, 11.4076)  
contains.

<b>XYZ(41.4443, 34.7063, 11.3521)</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(41.4443, 34.7063,  
11.3521)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E18A4C
RGB	225, 138, 76
RGB Percent	88%, 54%, 30%
CMY	0.1176, 0.4588, 0.7020
CMYK	0.00, 0.39, 0.66, 0.12
HSL	25°, 71%, 59%
HSV	25°, 66%, 88%
XYZ	41.4443, 34.7063, 11.3521
YIQ	156.9450, 71.7540, -0.8380

# Conversions

## Conversions Part 2

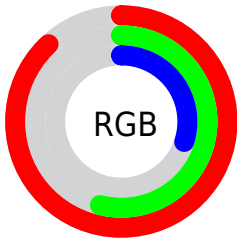
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 182, 76
Decimal	14781004
CIE Lab	65.52, 27.77, 46.42
CIE LCh	66, 54.094, 59.106
Yxy	34.7063, 0.4736, 0.3966
Android (android.graphics.Color)	4292971084 (0xFFE18A4C)
YUV	156.9450, -39.9059, 59.6842
Hunter-Lab	58.9121, 22.4777, 29.8135

# Details

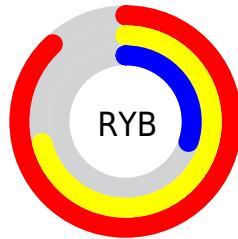
The XYZ color **41.4443, 34.7063, 11.3521** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.6674, 33.1653, 76.0716**, and the grayscale version is **32.1752, 33.8508, 36.8635**.

A 20% lighter version of the original color is **63.9204, 60.4916, 28.3857**, and **19.1231, 14.8949, 2.9040** is the 20% darker color. If you saturate the color by 10%, you get **39.0225, 30.9034, 7.3373**, and if you desaturate by 10%, it is **44.3692, 39.0781, 16.8842**.

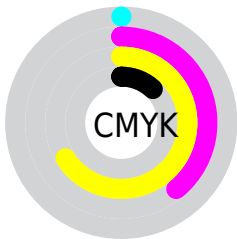
# Distribution



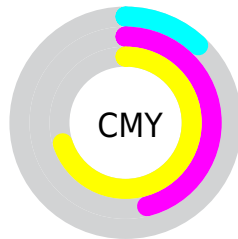
- Red (88%)
- Green (54%)
- Blue (30%)



- Red (88%)
- Yellow (71%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (66%)
- Black (12%)




- Cyan (12%)
- Magenta (46%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4443, 34.7063, 11.3521 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 41.4443, 34.7063, 11.3521 by changing the saturation by 10% instead.





 41.4443, 34.7063,  
11.3521


 41.4443, 34.7063,  
11.3521

343.2051,  
323.2701, 210.8909


 28.8556, 23.4367,  
6.1870


 76.6284, 67.0305,  
28.9560

 19.1154, 14.9163,  
2.8885


 99.9544, 88.8540,  
42.2319


 11.8582, 8.7607,  
1.0380


 127.5904,  
114.9642, 59.0485

 6.7187, 4.5854,  
0.0000

 159.9015,  
145.7455, 79.8243

 3.3316, 2.0061,  
0.0000

 197.2532,  
181.5823, 104.9780

 1.3314, 0.6110,  
0.0000

240.0108,

 0.2066, 0.0000,

222.8591, 134.9279

0.0000

288.5396,  
269.9602, 170.0927

■ 0.0000, 0.0000,  
0.0000

■ 41.4443, 34.7063,  
11.3521

■ 41.4443, 34.7063,  
11.3521

■ 39.0225, 30.9034,  
7.3373

■ 44.3692, 39.0781,  
16.8842

■ 37.0632, 27.6359,  
4.6773

■ 47.8280, 44.0392,  
24.0693


■ 35.5214, 24.8735,  
3.1730


■ 51.8517, 49.6149,  
33.0300


■ 35.0212, 23.9476,  
2.7765


■ 56.4677, 55.8277,  
43.8768

■ 61.7016, 62.6984,  
56.7109

 67.5774, 70.2470,  
71.6263

 74.1174, 78.4925,  
88.7110

 81.1816, 87.3885,  
107.1967

 84.8611, 94.7474,  
108.4232

# Harmonies

## Analogous

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



48.1692, 34.7063, 20.2908



41.4443, 34.7063, 11.3521



33.2255, 34.7063, 8.7976

# Triad

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



41.4443, 34.7063, 11.3521



19.9787, 34.7063, 37.1127



40.9669, 34.7063, 90.1675

# Complementary

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



41.4443, 34.7063, 11.3521



29.6674, 33.1653, 76.0716

# 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.



32.7502, 34.7063, 100.3580



41.4443, 34.7063, 11.3521



21.3863, 34.7063, 63.2345

# Square

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



41.4443, 34.7063, 11.3521



21.5648, 34.7063, 19.5219



25.7669, 34.7063, 88.9577



47.8639, 34.7063, 64.9107



# Rectangle

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



41.4443, 34.7063, 11.3521



28.2476, 34.7063, 9.7368



25.7669, 34.7063, 88.9577



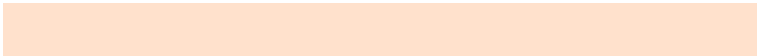
38.2295, 34.7063, 95.8288

# Sweetspot

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



41.4451, 34.7081, 11.3527



79.1247, 79.5909, 68.3190



40.4637, 23.9078, 38.2706



16.5166, 16.4848, 13.5962



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.



41.4451, 34.7081, 11.3527



50.8955, 39.5224, 8.3810



55.4269, 62.6716, 16.0133



14.1735, 14.6330, 14.3842



20.2903, 14.0184, 1.6364



1.4933, 1.1454, 0.1424



# Inverse Universe

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



29.6674, 33.1653, 76.0716



34.1418, 37.1810, 99.9849



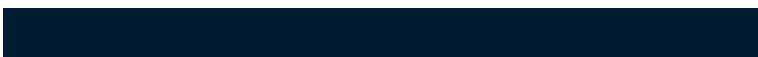
20.3038, 14.4381, 72.9504



13.6136, 14.5663, 17.4817



12.6549, 12.7793, 42.8480



0.9649, 1.0614, 2.9992



# Previews

## White Background



This preview shows how the XYZ color 41.4443, 34.7063, 11.3521 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 41.4443, 34.7063, 11.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

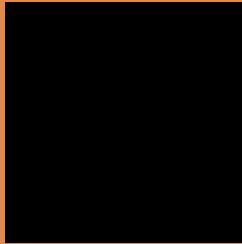
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4443, 34.7063, 11.3521**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4443, 34.7063, 11.3521.



This preview shows how white text looks on a background with the XYZ color 41.4443, 34.7063,



# 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

41.4443, 34.7063, 11.3521

### Protanopia

32.0366, 34.9963, 13.2501

### Deuteranopia

35.4568, 34.8078, 11.1531



## Tritanopia

45.1630, 34.7841, 29.1446

# Trichromacy



## Original Color

41.4443, 34.7063, 11.3521

## Protanomaly

34.9243, 34.5050, 12.4088

## Deuteranomaly

37.4019, 34.6272, 11.1910

## Tritanomaly

43.7309, 34.8285, 21.2473

# Monochromacy



## Original Color

41.4443, 34.7063, 11.3521

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

34.0940, 33.3163, 25.0558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4443, 34.7063, 11.3521 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(225, 138, 76)` looks like.

```
.text, #text, p{  
    color:rgb(225, 138, 76)  
}
```

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(225, 138, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 138, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4443, 34.7063, 11.3521 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(225, 138, 76) }
```



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

```
.border{ border-color:rgb(225, 138, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 138, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 138, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 138, 76);  
box-shadow:4px 4px 4px 4px rgb(225, 138,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4443, 34.7063, 11.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 138, 76) }
```

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

```
.background{ background-color: rgb(225,  
138, 76) }
```

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