

Converting Colors

XYZ(40.8521, 33.2754, 15.9007)

Have a look what the booklet for
XYZ(40.8521, 33.2754, 15.9007)
contains.

XYZ(40.7163, 33.1865, 15.8149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7163, 33.1865,
15.8149)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8562
RGB	222, 133, 98
RGB Percent	87%, 52%, 38%
CMY	0.1294, 0.4784, 0.6157
CMYK	0.00, 0.40, 0.56, 0.13
HSL	17°, 65%, 63%
HSV	17°, 56%, 87%
XYZ	40.7163, 33.1865, 15.8149
YIQ	155.6210, 64.2790, 7.9830

Conversions

Conversions Part 2

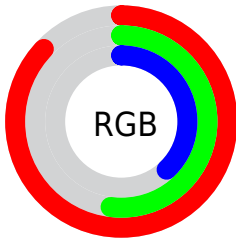
Format	Color
R _Y B	222, 147, 98
Decimal	14583138
CIE Lab	64.31, 30.75, 33.34
CIE LCh	64, 45.351, 47.314
Yxy	33.1865, 0.4538, 0.3699
Android (android.graphics.Color)	4292773218 (0xFFDE8562)
YUV	155.6210, -28.4072, 58.2144
Hunter-Lab	57.6077, 25.3477, 24.0487




Details

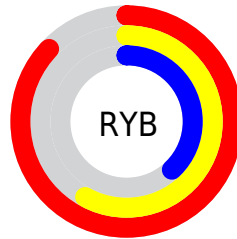
The XYZ color **40.7163, 33.1865, 15.8149** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **35.9910, 43.4088, 75.5887**, and the grayscale version is **31.5343, 33.1766, 36.1293**.




A 20% lighter version of the original color is **64.4351, 58.9706, 36.4201**, and **18.6973, 14.0514, 4.7443** is the 20% darker color. If you saturate the color by 10%, you get **37.7915, 28.7883, 10.3662**, and if you desaturate by 10%, it is **44.2643, 38.3661, 22.9058**.

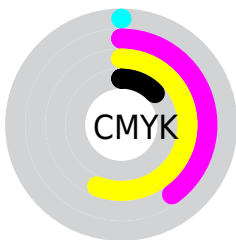
Distribution







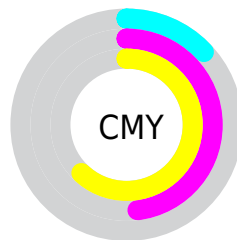
-  Red (87%)
-  Green (52%)
-  Blue (38%)






-  Red (87%)
-  Yellow (58%)
-  Blue (38%)



-  Cyan (0%)
-  Magenta (40%)
-  Yellow (56%)
-  Black (13%)





-  Cyan (13%)
-  Magenta (48%)
-  Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7163, 33.1865, 15.8149 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 40.7163, 33.1865, 15.8149 by changing the saturation by 10% instead.


 40.7163, 33.1865,
15.8149


 40.7163, 33.1865,
15.8149


340.2164,
316.4893, 240.0553

 28.2842, 22.2694,
9.2403


 75.5305, 64.6666,
37.0389


 18.6815, 14.0550,
4.7993


 98.6432, 85.9983,
52.5254

 11.5430, 8.1589,
2.0733


 126.0469,
111.5704, 71.8196

 6.5033, 4.1968,
0.5998

 158.1068,
141.7672, 95.3400

 3.1970, 1.7842,
0.0000

195.1884,
176.9730, 123.5053

 1.2588, 0.4773,
0.0000

237.6569,

 0.1520, 0.0000,

217.5724, 156.7339

0.0000

285.8778,
263.9497, 195.4444

■ 0.0000, 0.0000,
0.0000

■ 40.7163, 33.1865,
15.8149

■ 40.7163, 33.1865,
15.8149

■ 37.7915, 28.7883,
10.3662

■ 44.2643, 38.3661,
22.9058

■ 35.4479, 25.1269,
6.4228

■ 48.4688, 44.3587,
31.7569

■ 33.6416, 22.1604,
3.8285

■ 53.3635, 51.2001,
42.4773

■ 32.3195, 19.8399,
2.3903

■ 58.9791, 58.9223,
55.1667

■ 31.8834, 19.0482,
1.9962

■ 65.3442, 67.5559,
69.9178

■ 72.4859, 77.1297,
86.8173

■ 80.4298, 87.6714,
105.9468

■ 83.9340, 94.2695,
108.3798

Harmonies

Analogous

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



44.9201, 33.1865, 26.5643



40.7163, 33.1865, 15.8149



34.3442, 33.1865, 11.3856

Triad

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



40.7163, 33.1865, 15.8149



20.9282, 33.1865, 28.8850



35.3781, 33.1865, 81.7329

Complementary

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



40.7163, 33.1865, 15.8149



35.9910, 43.4088, 75.5887

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.



28.8979, 33.1865, 83.0185



40.7163, 33.1865, 15.8149



21.1260, 33.1865, 47.7646

Square

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



40.7163, 33.1865, 15.8149



23.2793, 33.1865, 17.0128



23.8623, 33.1865, 69.0208



41.5615, 33.1865, 65.9461

Rectangle

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



40.7163, 33.1865, 15.8149



29.9906, 33.1865, 11.1202



23.8623, 33.1865, 69.0208



33.1476, 33.1865, 84.0285

Sweetspot

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



40.7171, 33.1882, 15.8155



79.7051, 79.2469, 73.1514



43.6699, 27.9363, 51.1967



16.7152, 16.4896, 14.8722



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.



40.7171, 33.1882, 15.8155



51.1492, 38.5087, 13.1554



51.4134, 54.5807, 19.3809



14.0207, 14.3274, 14.3333



19.0198, 11.4775, 1.2129



1.3930, 0.9449, 0.1090

Inverse Universe

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



35.9910, 43.4088, 75.5887



43.9763, 53.6252, 102.6406



25.8027, 23.0324, 72.1926



13.7725, 14.8841, 17.5347



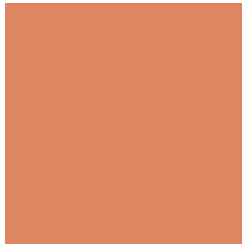
15.3281, 18.1257, 43.7391



1.1372, 1.4058, 3.0567

Previews

White Background



This preview shows how the XYZ color 40.7163, 33.1865, 15.8149 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 40.7163, 33.1865, 15.8149 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 40.7163, 33.1865, 15.8149

Background



This preview shows how black text looks on a background with the XYZ color 40.7163, 33.1865, 15.8149.



This preview shows how white text looks on a background with the XYZ color 40.7163, 33.1865,

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

40.7163, 33.1865, 15.8149

Protanopia

30.9045, 33.2735, 18.7035

Deuteranopia

33.7993, 33.1399, 15.4417



Tritanopia

43.2859, 33.2520, 27.8038

Trichromacy



Original Color

40.7163, 33.1865, 15.8149

Protanomaly

33.8276, 32.8707, 17.6585

Deuteranomaly

36.0212, 32.9070, 15.5195

Tritanomaly

42.2983, 33.2426, 22.9260

Monochromacy



Original Color

40.7163, 33.1865, 15.8149

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.7855, 32.6324, 27.4397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7163, 33.1865, 15.8149 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(222, 133, 98)` looks like.

```
.text, #text, p{  
    color:rgb(222, 133, 98)  
}
```

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(222, 133, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 133, 98) }
```

Border

The CSS property to change the border of an element to XYZ 40.7163, 33.1865, 15.8149 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(222, 133, 98) }
```


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

```
.border{ border-color:rgb(222, 133, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 133, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 133, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 133, 98);  
box-shadow:4px 4px 4px 4px rgb(222, 133,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7163, 33.1865, 15.8149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 133, 98) }
```

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

```
.background{ background-color: rgb(222,  
133, 98) }
```

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