

Converting Colors

XYZ(40.2925, 33.9786, 15.0484)

Have a look what the booklet for
XYZ(40.2925, 33.9786, 15.0484)
contains.

XYZ(40.3223, 34.0452, 15.0358)	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(40.3223, 34.0452,
15.0358)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8A5E
RGB	219, 138, 94
RGB Percent	86%, 54%, 37%
CMY	0.1412, 0.4588, 0.6314
CMYK	0.00, 0.37, 0.57, 0.14
HSL	21°, 63%, 61%
HSV	21°, 57%, 86%
XYZ	40.3223, 34.0452, 15.0358
YIQ	157.2030, 62.4000, 3.4880

Conversions

Conversions Part 2

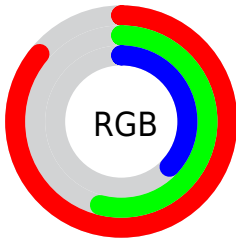
Format	Color
RYB	219, 162, 94
Decimal	14387806
CIELab	65.00, 26.57, 36.28
CIElCh	65, 44.964, 53.783
Yxy	34.0452, 0.4510, 0.3808
Android (android.graphics.Color)	4292577886 (0xFFDB8A5E)
YUV	157.2030, -31.1591, 54.1960
Hunter-Lab	58.3483, 21.2452, 25.5653

Details

The XYZ color **40.3223, 34.0452, 15.0358** 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 **32.7313, 38.1521, 72.6566**, and the grayscale version is **32.2563, 33.9362, 36.9565**.

A 20% lighter version of the original color is **65.2005, 61.0036, 35.1265**, and **18.3985, 14.4872, 4.4114** is the 20% darker color. If you saturate the color by 10%, you get **37.5709, 29.8984, 9.9390**, and if you desaturate by 10%, it is **43.6201, 38.8390, 21.6905**.

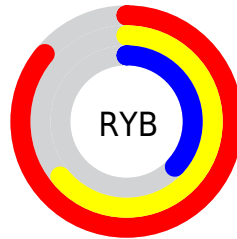
Distribution



Red (86%)

Green (54%)

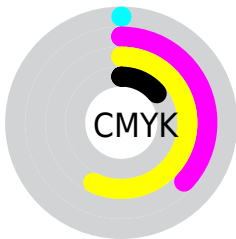
Blue (37%)



Red (86%)

Yellow (64%)

Blue (37%)

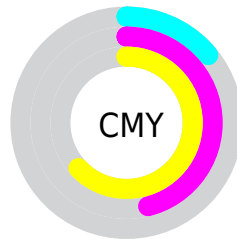


Cyan (0%)

Magenta (37%)

Yellow (57%)

Black (14%)



Cyan (14%)


Magenta (46%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3223, 34.0452, 15.0358 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 40.3223, 34.0452, 15.0358 by changing the saturation by 10% instead.


 40.3223, 34.0452,
15.0358


 40.3223, 34.0452,
15.0358


338.5913,
320.3336, 235.2310


 27.9753, 22.9283,
8.6976


 74.9353, 66.0040,
35.6592


 18.4474, 14.5406,
4.4504


 97.9319, 87.6146,
50.7814

 11.3733, 8.4976,
1.8755


 125.2091,
113.4920, 69.6688

 6.3876, 4.4150,
0.4771

 157.1323,
144.0205, 92.7398

 3.1251, 1.9083,
0.0000

194.0667,
179.5845, 120.4130

 1.2202, 0.5534,
0.0000

236.3778,

 0.1223, 0.0000,

220.5684, 153.1069

0.0000

284.4309,
267.3566, 191.2401

■ 0.0000, 0.0000,
0.0000

■ 40.3223, 34.0452,
15.0358

■ 40.3223, 34.0452,
15.0358

■ 37.5709, 29.8984,
9.9390

■ 43.6201, 38.8390,
21.6905

■ 35.3290, 26.3633,
6.2670

■ 47.4930, 44.3025,
30.0175

■ 33.5581, 23.4084,
3.8672

■ 51.9703, 50.4636,
40.1221

■ 32.2091, 20.9954,
2.5387

■ 57.0786, 57.3469,
52.1009

■ 31.8740, 20.3814,
2.2541

■ 62.8426, 64.9757,
66.0429

■ 69.2858, 73.3724,
82.0319

■ 76.4304, 82.5581,
100.1465

■ 81.9256, 91.6047,
107.9713

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



45.2010, 34.0452, 24.4234



40.3223, 34.0452, 15.0358



33.7318, 34.0452, 11.6517

Triad

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



40.3223, 34.0452, 15.0358



21.4534, 34.0452, 33.3256



37.6673, 34.0452, 80.4367

Complementary

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



40.3223, 34.0452, 15.0358



32.7313, 38.1521, 72.6566

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.



31.0238, 34.0452, 85.2740



40.3223, 34.0452, 15.0358



22.2136, 34.0452, 53.4653

Square

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



40.3223, 34.0452, 15.0358



23.2839, 34.0452, 19.6830



25.5198, 34.0452, 74.1112



43.5301, 34.0452, 62.5050

Rectangle

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



40.3223, 34.0452, 15.0358



29.4707, 34.0452, 12.0351



25.5198, 34.0452, 74.1112



35.4300, 34.0452, 83.8522

Sweetspot

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



40.3231, 34.0469, 15.0364



80.5243, 80.8854, 73.4245



40.9786, 26.1706, 43.5780



16.9073, 16.8737, 14.9362



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.



40.3231, 34.0469, 15.0364



52.5170, 41.4014, 13.1264



51.9459, 57.2926, 18.9107



13.4292, 13.7977, 13.6810



18.9933, 12.2721, 1.3677



1.3099, 0.9538, 0.1151

Inverse Universe

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



32.7313, 38.1521, 72.6566



40.7769, 47.5598, 101.6385



23.2798, 19.2490, 69.5060



13.0391, 14.0179, 16.6706



13.4151, 14.6996, 41.8687



0.9489, 1.1120, 2.7391

Previews

White Background



This preview shows how the XYZ color 40.3223, 34.0452, 15.0358 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 40.3223, 34.0452, 15.0358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

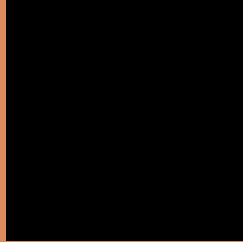
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3223, 34.0452, 15.0358

Background



This preview shows how black text looks on a background with the XYZ color 40.3223, 34.0452, 15.0358.



This preview shows how white text looks on a background with the XYZ color 40.3223, 34.0452,

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

40.3223, 34.0452, 15.0358

Protanopia

31.6384, 34.1837, 17.5010

Deuteranopia

34.9473, 34.2260, 14.6619



Tritanopia

43.2580, 33.9851, 29.8710

Trichromacy



Original Color

40.3223, 34.0452, 15.0358

Protanomaly

34.3050, 33.8529, 16.5306

Deuteranomaly

36.5678, 33.8870, 14.7387

Tritanomaly

42.0456, 33.9030, 23.7299

Monochromacy



Original Color

40.3223, 34.0452, 15.0358

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.0318, 33.2372, 27.1760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3223, 34.0452, 15.0358 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(219, 138, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 138, 94)  
}
```

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(219, 138, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 138, 94) }
```

Border

The CSS property to change the border of an element to XYZ 40.3223, 34.0452, 15.0358 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(219, 138, 94) }
```


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

```
.border{ border-color:rgb(219, 138, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 138, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 138, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 138, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 138,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3223, 34.0452, 15.0358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 138, 94) }
```

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

```
.background{ background-color: rgb(219,  
138, 94) }
```

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