

Converting Colors

XYZ(40.9205, 31.9138, 10.7481)

Have a look what the booklet for
XYZ(40.9205, 31.9138, 10.7481)
contains.

XYZ(40.9167, 31.8332, 10.6445)	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(40.9167, 31.8332,
10.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	E57D4B
RGB	229, 125, 75
RGB Percent	90%, 49%, 29%
CMY	0.1020, 0.5098, 0.7059
CMYK	0.00, 0.45, 0.67, 0.10
HSL	19°, 75%, 60%
HSV	19°, 67%, 90%
XYZ	40.9167, 31.8332, 10.6445
YIQ	150.3960, 78.0340, 6.4980

Conversions

Conversions Part 2

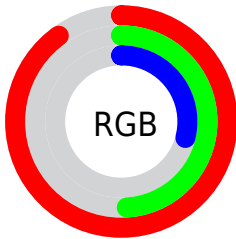
Format	Color
R _{YB}	229, 149, 75
Decimal	15039819
CIE Lab	63.20, 36.14, 44.43
CIE LCh	63, 57.266, 50.876
Yxy	31.8332, 0.4906, 0.3817
Android (android.graphics.Color)	4293229899 (0xFFE57D4B)
YUV	150.3960, -37.1702, 68.9357
Hunter-Lab	56.4209, 30.7124, 28.3089

Details

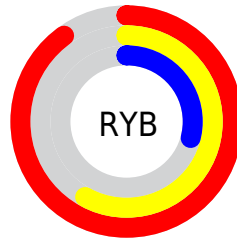
The XYZ color **40.9167, 31.8332, 10.6445** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **33.1635, 39.3909, 79.9836**, and the grayscale version is **29.2886, 30.8138, 33.5563**.

A 20% lighter version of the original color is **61.0618, 54.9809, 26.7961**, and **18.7951, 13.3015, 2.6138** is the 20% darker color. If you saturate the color by 10%, you get **38.4618, 27.9602, 6.6305**, and if you desaturate by 10%, it is **43.9599, 36.4320, 16.2461**.

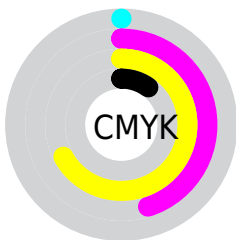
Distribution



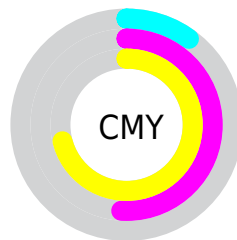
- Red (90%)
- Green (49%)
- Blue (29%)



- Red (90%)
- Yellow (58%)
- Blue (29%)



- Cyan (0%)
- Magenta (45%)
- Yellow (67%)
- Black (10%)





- Cyan (10%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9167, 31.8332, 10.6445 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 40.9167, 31.8332, 10.6445 by changing the saturation by 10% instead.


 40.9167, 31.8332,
10.6445


 40.9167, 31.8332,
10.6445


341.0409,
310.3587, 205.8612

 28.4414, 21.2341,
5.7172


 75.8329, 62.5495,
27.6274


 18.8008, 13.2952,
2.6079


 99.0046, 83.4355,
40.5201


 11.6296, 7.6322,
0.8965


 126.4723,
108.5193, 56.9050

 6.5624, 3.8605,
0.0000

 158.6016,
138.1853, 77.2006

 3.2338, 1.5958,
0.0000

 195.7578,
172.8178, 101.8255

 1.2786, 0.3548,
0.0000

238.3061,

 0.1671, 0.0000,

212.8013, 131.1982

0.0000

286.6120,
258.5201, 165.7372

■ 0.0000, 0.0000,
0.0000

■ 40.9167, 31.8332,
10.6445

■ 40.9167, 31.8332,
10.6445

■ 38.4618, 27.9602,
6.6305

■ 43.9599, 36.4320,
16.2461

■ 36.5469, 24.7670,
4.0298

■ 47.6295, 41.7886,
23.5811

■ 35.1157, 22.2083,
2.6168

■ 51.9625, 47.9391,
32.7805

■ 34.7857, 21.6036,
2.3365

■ 56.9924, 54.9157,
43.9623

■ 62.7501, 62.7485,
57.2343

■ 69.2645, 71.4661,
72.6968

■ 76.5630, 81.0958,
90.4434

■ 84.1518, 91.4557,
107.8252

■ 86.1229, 95.3979,
108.4822

Harmonies

Analogous

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



46.8288, 31.8332, 21.3287



40.9167, 31.8332, 10.6445



32.7357, 31.8332, 6.9732

Triad

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



40.9167, 31.8332, 10.6445



17.5757, 31.8332, 28.1960



36.0129, 31.8332, 93.4526

Complementary

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



40.9167, 31.8332, 10.6445



33.1635, 39.3909, 79.9836

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.



27.9058, 31.8332, 98.0008



40.9167, 31.8332, 10.6445



18.1435, 31.8332, 52.6372

Square

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



40.9167, 31.8332, 10.6445



19.9151, 31.8332, 13.7845



21.6301, 31.8332, 80.6876



43.6721, 31.8332, 70.0988

Rectangle

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



40.9167, 31.8332, 10.6445



27.4736, 31.8332, 7.0530



21.6301, 31.8332, 80.6876



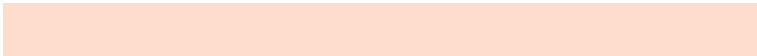
33.2212, 31.8332, 97.5386

Sweetspot

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



40.9174, 31.8349, 10.6451



77.8796, 77.1007, 67.9040



43.0911, 24.9951, 45.8582



16.2207, 15.8930, 13.4976



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.



40.9174, 31.8349, 10.6451



47.9730, 33.8574, 6.8519



54.4152, 58.8304, 15.1443



14.7572, 15.1283, 15.0467



19.9861, 12.5464, 1.3683



1.5589, 1.0912, 0.1285

Inverse Universe

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



33.1635, 39.3909, 79.9836



37.2586, 43.7961, 101.0975



21.9182, 16.9003, 76.2352



14.3923, 15.5060, 18.3787



14.8676, 16.7974, 44.8418



1.1822, 1.4084, 3.3415

Previews

White Background



This preview shows how the XYZ color 40.9167, 31.8332, 10.6445 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 40.9167, 31.8332, 10.6445 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 40.9167, 31.8332, 10.6445

Background



This preview shows how black text looks on a background with the XYZ color 40.9167, 31.8332, 10.6445.



This preview shows how white text looks on a background with the XYZ color 40.9167, 31.8332,

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

40.9167, 31.8332, 10.6445

Protanopia

29.5575, 32.2021, 13.2521

Deuteranopia

32.6196, 31.9471, 10.2415



Tritanopia

43.7063, 31.8818, 23.9289

Trichromacy



Original Color

40.9167, 31.8332, 10.6445

Protanomaly

32.7935, 31.3154, 12.1006

Deuteranomaly

35.1600, 31.4822, 10.3544

Tritanomaly

42.4991, 31.7464, 18.0751

Monochromacy



Original Color

40.9167, 31.8332, 10.6445

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.6904, 30.0635, 22.8715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9167, 31.8332, 10.6445 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(229, 125, 75)` looks like.

```
.text, #text, p{  
    color:rgb(229, 125, 75)  
}
```

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(229, 125, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 125, 75) }
```

Border

The CSS property to change the border of an element to XYZ 40.9167, 31.8332, 10.6445 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(229, 125, 75) }
```


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

```
.border{ border-color:rgb(229, 125, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 125, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 125, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 125, 75);  
box-shadow:4px 4px 4px 4px rgb(229, 125,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9167, 31.8332, 10.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 125, 75) }
```

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

```
.background{ background-color: rgb(229,  
125, 75) }
```

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