

Converting Colors

XYZ(38.2711, 29.1694, 12.5313)

Have a look what the booklet for
XYZ(38.2711, 29.1694, 12.5313)
contains.

XYZ(38.3229, 29.1746, 12.6282)	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(38.3229, 29.1746,
12.6282)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7657
RGB	222, 118, 87
RGB Percent	87%, 46%, 34%
CMY	0.1294, 0.5372, 0.6588
CMYK	0.00, 0.47, 0.61, 0.13
HSL	14°, 67%, 61%
HSV	14°, 61%, 87%
XYZ	38.3229, 29.1746, 12.6282
YIQ	145.5620, 71.9350, 12.4070

Conversions

Conversions Part 2

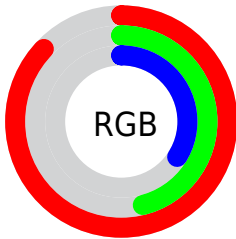
Format	Color
R_{YB}	222, 127, 87
Decimal	14579287
CIE _{Lab}	60.94, 37.76, 35.11
CIE _{LCh}	61, 51.566, 42.916
Yxy	29.1746, 0.4783, 0.3641
Android (android.graphics.Color)	4292769367 (0xFFDE7657)
YUV	145.5620, -28.8711, 67.0361
Hunter-Lab	54.0135, 32.1231, 23.9476

Details

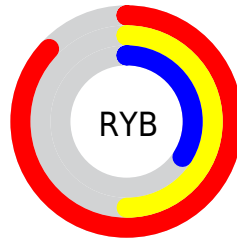
The XYZ color **38.3229, 29.1746, 12.6282** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **35.7446, 44.5589, 75.8235**, and the grayscale version is **27.2369, 28.6554, 31.2057**.

A 20% lighter version of the original color is **60.5079, 52.5712, 30.6251**, and **17.2904, 11.8489, 3.3832** is the 20% darker color. If you saturate the color by 10%, you get **35.7169, 25.1979, 7.9521**, and if you desaturate by 10%, it is **41.5742, 33.9961, 18.8955**.

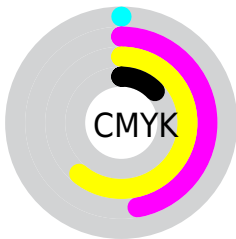
Distribution



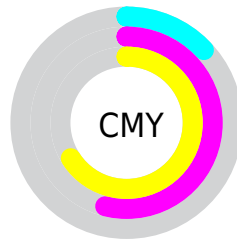
- Red (87%)
- Green (46%)
- Blue (34%)



- Red (87%)
- Yellow (50%)
- Blue (34%)



- Cyan (0%)
- Magenta (47%)
- Yellow (61%)
- Black (13%)





- Cyan (13%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3229, 29.1746, 12.6282 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 38.3229, 29.1746, 12.6282 by changing the saturation by 10% instead.


 38.3229, 29.1746,
12.6282


 38.3229, 29.1746,
12.6282


330.2601,
298.0379, 219.6444

 26.4117, 19.2129,
7.0453


 71.9035, 58.3544,
31.3155


 17.2662, 11.8242,
3.4116


 94.3037, 78.3413,
45.2571


 10.5210, 6.6241,
1.3084


 120.9309,
102.4387, 62.8219

 5.8106, 3.2282,
0.0687

 152.1505,
131.0311, 84.4285

 2.7698, 1.2520,
0.0000

 188.3278,
164.5028, 110.4956

 1.0332, 0.1036,
0.0000

229.8283,

 0.0000, 0.0000,

203.2383, 141.4416

0.0000

277.0173,
247.6218, 177.6850

■ 38.3229, 29.1746,
12.6282

■ 38.3229, 29.1746,
12.6282

■ 35.7169, 25.1979,
7.9521

■ 41.5742, 33.9961,
18.8955

■ 33.7079, 22.0114,
4.7193

■ 45.5102, 39.7035,
26.8804

■ 32.2434, 19.5606,
2.7569

■ 50.1693, 46.3409,
36.6983

■ 31.3073, 17.8961,
1.8042

■ 55.5865, 53.9476,
48.4542

■ 61.7943, 62.5611,
62.2451

■ 68.8234, 72.2166,
78.1613

■ 76.7028, 82.9475,
96.2880

■ 83.8753, 94.1521,
108.3602

■ 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.



42.3456, 29.1746, 24.1839



38.3229, 29.1746, 12.6282



31.7060, 29.1746, 7.8829

Triad

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



38.3229, 29.1746, 12.6282



17.1114, 29.1746, 22.0785



30.7227, 29.1746, 83.2865

Complementary

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



38.3229, 29.1746, 12.6282



35.7446, 44.5589, 75.8235

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.



24.1004, 29.1746, 81.9677



38.3229, 29.1746, 12.6282



16.9356, 29.1746, 40.7876

Square

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



38.3229, 29.1746, 12.6282



19.8210, 29.1746, 11.6260



19.2940, 29.1746, 64.2595



37.5035, 29.1746, 67.3550

Rectangle

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



38.3229, 29.1746, 12.6282



27.0767, 29.1746, 7.2727



19.2940, 29.1746, 64.2595



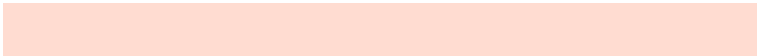
28.3929, 29.1746, 84.9891

Sweetspot

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



38.3236, 29.1761, 12.6287



78.2604, 76.8672, 71.0986



43.1300, 26.1851, 53.0868



16.2437, 15.7459, 14.1006



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.



38.3236, 29.1761, 12.6287



48.0601, 33.1890, 9.4789



48.9329, 50.3947, 16.1652



13.9614, 14.2087, 14.3135



18.6659, 10.7698, 1.0950



1.3614, 0.8817, 0.0984

Inverse Universe

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



35.7446, 44.5589, 75.8235



44.0986, 55.6896, 103.0327



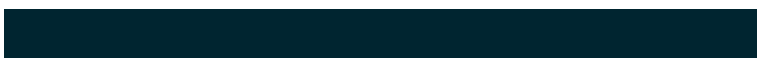
24.4807, 22.0309, 72.0689



13.8357, 15.0105, 17.5558



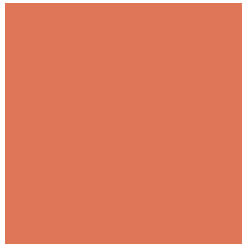
16.5708, 20.6112, 44.1533



1.2145, 1.5604, 3.0824

Previews

White Background



This preview shows how the XYZ color 38.3229, 29.1746, 12.6282 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3229, 29.1746, 12.6282 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 × Fail

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

XYZ 38.3229, 29.1746, 12.6282

Background



This preview shows how black text looks on a background with the XYZ color 38.3229, 29.1746, 12.6282.



This preview shows how white text looks on a background with the XYZ color 38.3229, 29.1746,

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

38.3229, 29.1746, 12.6282

Protanopia

27.1355, 29.2229, 15.7657

Deuteranopia

29.9086, 29.3776, 12.2777



Tritanopia

40.1584, 29.0627, 21.9054

Trichromacy



Original Color

38.3229, 29.1746, 12.6282

Protanomaly

30.3530, 28.4838, 14.4878

Deuteranomaly

32.4934, 29.0173, 12.2758

Tritanomaly

39.3225, 29.0536, 18.0034

Monochromacy



Original Color

38.3229, 29.1746, 12.6282

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.9614, 28.0877, 23.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3229, 29.1746, 12.6282 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, 118, 87)` looks like.

```
.text, #text, p{  
    color:rgb(222, 118, 87)  
}
```

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, 118, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 118, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.3229, 29.1746, 12.6282 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, 118, 87) }
```


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

```
.border{ border-color:rgb(222, 118, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 118, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 118, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 118, 87);  
box-shadow:4px 4px 4px 4px rgb(222, 118,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3229, 29.1746, 12.6282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 118, 87) }
```

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

```
.background{ background-color: rgb(222,  
118, 87) }
```

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