

Converting Colors

XYZ(37.1981, 29.2379, 13.2559)

Have a look what the booklet for
XYZ(37.1981, 29.2379, 13.2559)
contains.

XYZ(37.1239, 29.2562, 13.3632)	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(37.1239, 29.2562,
13.3632)**

Conversions

Conversions Part 1

Format	Color
Hex	D87A5A
RGB	216, 122, 90
RGB Percent	85%, 48%, 35%
CMY	0.1529, 0.5215, 0.6471
CMYK	0.00, 0.44, 0.58, 0.15
HSL	15°, 62%, 60%
HSV	15°, 58%, 85%
XYZ	37.1239, 29.2562, 13.3632
YIQ	146.4580, 66.2960, 9.9760

Conversions

Conversions Part 2

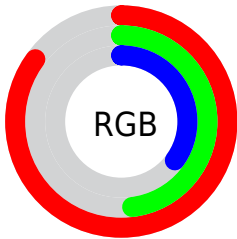
Format	Color
R_{YB}	216, 133, 90
Decimal	14187098
CIE _{Lab}	61.01, 33.56, 33.38
CIE _{LCh}	61, 47.336, 44.844
Yxy	29.2562, 0.4655, 0.3669
Android (android.graphics.Color)	4292377178 (0xFFD87A5A)
YUV	146.4580, -27.8338, 60.9883
Hunter-Lab	54.0890, 27.8574, 23.2141

Details

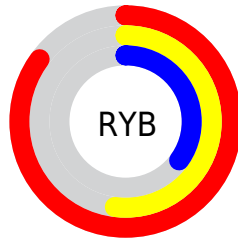
The XYZ color **37.1239, 29.2562, 13.3632** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **33.7504, 41.4101, 71.1795**, and the grayscale version is **27.6023, 29.0397, 31.6243**.

A 20% lighter version of the original color is **61.5731, 54.2338, 32.4222**, and **16.5939, 11.8490, 3.6980** is the 20% darker color. If you saturate the color by 10%, you get **34.5175, 25.3072, 8.5988**, and if you desaturate by 10%, it is **40.3269, 33.9712, 19.6447**.

Distribution



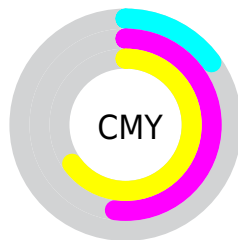
- Red (85%)
- Green (48%)
- Blue (35%)



- Red (85%)
- Yellow (52%)
- Blue (35%)



- Cyan (0%)
- Magenta (44%)
- Yellow (58%)
- Black (15%)





- Cyan (15%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1239, 29.2562, 13.3632 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 37.1239, 29.2562, 13.3632 by changing the saturation by 10% instead.


 37.1239, 29.2562,
13.3632


 37.1239, 29.2562,
13.3632


325.1929,
298.4219, 224.5214

 25.4776, 19.2747,
7.5455


 70.0759, 58.4839,
32.6555


 16.5638, 11.8690,
3.7219


 92.1123, 78.4989,
46.9671


 10.0174, 6.6545,
1.4741


 118.3427,
102.6272, 64.9470

 5.4728, 3.2470,
0.1985

 149.1325,
131.2532, 87.0139

 2.5649, 1.2620,
0.0000

 184.8470,
164.7612, 113.5863

 0.9281, 0.1115,
0.0000

225.8517,

 0.0000, 0.0000,

203.5358, 145.0826

0.0000

272.5119,
247.9612, 181.9215

■ 37.1239, 29.2562,
13.3632

■ 37.1239, 29.2562,
13.3632

■ 34.5175, 25.3072,
8.5988

■ 40.3269, 33.9712,
19.6447

■ 32.4655, 22.0778,
5.2187

■ 44.1604, 39.4861,
27.5573

■ 30.9230, 19.5231,
3.0696

■ 48.6582, 45.8382,
37.2059

■ 29.8291, 17.5880,
1.9261

■ 53.8508, 53.0611,
48.6862

■ 29.6786, 17.3186,
1.7786

■ 59.7671, 61.1865,
62.0867

■ 66.4339, 70.2444,
77.4904

■ 73.8769, 80.2635,
94.9751

■ 80.8386, 90.7586,
107.8653

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



40.9648, 29.2562, 23.8996



37.1239, 29.2562, 13.3632



31.0350, 29.2562, 8.9877

Triad

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



37.1239, 29.2562, 13.3632



17.8324, 29.2562, 23.7516



30.9675, 29.2562, 77.4427

Complementary

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



37.1239, 29.2562, 13.3632



33.7504, 41.4101, 71.1795

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.



24.8113, 29.2562, 77.3557



37.1239, 29.2562, 13.3632



17.8199, 29.2562, 41.4049

Square

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



37.1239, 29.2562, 13.3632



20.2333, 29.2562, 13.2896



20.1962, 29.2562, 62.4276



37.0683, 29.2562, 62.6338

Rectangle

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



37.1239, 29.2562, 13.3632



26.8147, 29.2562, 8.5380



20.1962, 29.2562, 62.4276



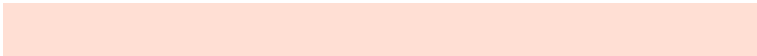
28.8238, 29.2562, 79.2930

Sweetspot

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



37.1246, 29.2577, 13.3637



79.3769, 78.5905, 73.0420



40.6793, 25.3931, 48.3800



16.6384, 16.3359, 14.8466



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.



37.1246, 29.2577, 13.3637



49.5020, 35.6690, 11.2047



47.4088, 49.8261, 16.7918



12.6771, 12.9284, 12.9880



17.6404, 10.3979, 1.0773



1.1308, 0.7608, 0.0872

Inverse Universe

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



33.7504, 41.4101, 71.1795



44.0327, 54.7018, 102.8455



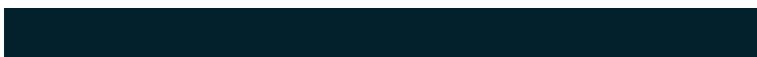
23.5096, 20.9283, 67.7659



12.5127, 13.5489, 15.8932



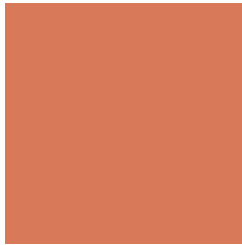
14.9842, 18.2302, 41.1822



0.9682, 1.2284, 2.5054

Previews

White Background



This preview shows how the XYZ color 37.1239, 29.2562, 13.3632 looks on a white background.

Color Contrast Check

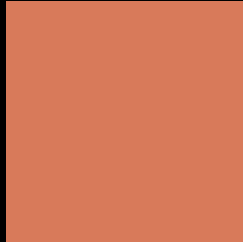
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1239, 29.2562, 13.3632 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 37.1239, 29.2562, 13.3632

Background



This preview shows how black text looks on a background with the XYZ color 37.1239, 29.2562, 13.3632.



This preview shows how white text looks on a background with the XYZ color 37.1239, 29.2562,

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

37.1239, 29.2562, 13.3632

Protanopia

27.3874, 29.5735, 16.3214

Deuteranopia

30.0270, 29.4249, 12.9011



Tritanopia

39.0406, 29.1344, 23.3045

Trichromacy



Original Color

37.1239, 29.2562, 13.3632

Protanomaly

30.1663, 29.0131, 15.0765

Deuteranomaly

32.2377, 29.0758, 12.9299

Tritanomaly

38.1927, 29.1376, 19.2339

Monochromacy



Original Color

37.1239, 29.2562, 13.3632

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.5061, 28.0556, 23.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1239, 29.2562, 13.3632 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(216, 122, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 122, 90)  
}
```

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(216, 122, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 122, 90) }
```

Border

The CSS property to change the border of an element to XYZ 37.1239, 29.2562, 13.3632 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(216, 122, 90) }
```


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

```
.border{ border-color:rgb(216, 122, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 122, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 122, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 122, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 122,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1239, 29.2562, 13.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 122, 90) }
```

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

```
.background{ background-color: rgb(216,  
122, 90) }
```

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](#).

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