

Converting Colors

XYZ(37.8383, 29.3759, 12.8476)

Have a look what the booklet for
XYZ(37.8383, 29.3759, 12.8476)
contains.

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Color

**XYZ(37.8122, 29.4394,
12.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	DB7958
RGB	219, 121, 88
RGB Percent	86%, 47%, 35%
CMY	0.1412, 0.5255, 0.6549
CMYK	0.00, 0.45, 0.60, 0.14
HSL	15°, 65%, 60%
HSV	15°, 60%, 86%
XYZ	37.8122, 29.4394, 12.9220
YIQ	146.5400, 69.0010, 10.5130

Conversions

Conversions Part 2

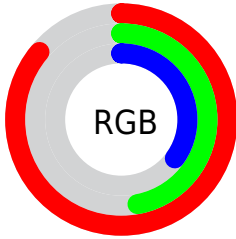
Format	Color
R_{YB}	219, 132, 88
Decimal	14383448
CIE _{Lab}	61.17, 35.12, 34.76
CIE _{LCh}	61, 49.412, 44.710
Yxy	29.4394, 0.4716, 0.3672
Android (android.graphics.Color)	4292573528 (0xFFDB7958)
YUV	146.5400, -28.8602, 63.5474
Hunter-Lab	54.2581, 29.4441, 23.8603

Details

The XYZ color **37.8122, 29.4394, 12.9220** 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 **34.3684, 42.3045, 73.3715**, and the grayscale version is **27.6394, 29.0788, 31.6669**.

A 20% lighter version of the original color is **61.2302, 53.7840, 31.5803**, and **16.8885, 11.9113, 3.5068** is the 20% darker color. If you saturate the color by 10%, you get **35.2130, 25.4813, 8.2324**, and if you desaturate by 10%, it is **41.0233, 34.1857, 19.1600**.

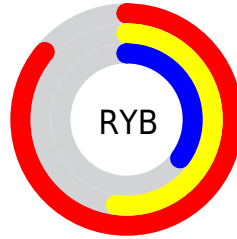
Distribution



Red (86%)

Green (47%)

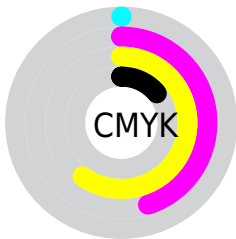
Blue (35%)



Red (86%)

Yellow (52%)

Blue (35%)

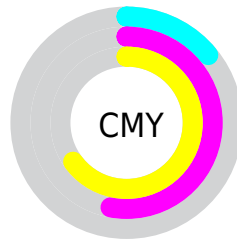


Cyan (0%)

Magenta (45%)

Yellow (60%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8122, 29.4394, 12.9220 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 37.8122, 29.4394, 12.9220 by changing the saturation by 10% instead.


 37.8122, 29.4394,
12.9220

 37.8122, 29.4394,
12.9220


328.1085,
299.2826, 221.6074

 26.0135, 19.4135,
7.2448


 71.1260, 58.7745,
31.8527


 16.9665, 11.9694,
3.5349

 93.3717, 78.8524,
45.9433


 10.3058, 6.7229,
1.3738


 119.8306,
103.0498, 63.6753

 5.6660, 3.2894,
0.1212

 150.8679,
131.7511, 85.4675

 2.6818, 1.2846,
0.0000

 186.8490,
165.3406, 111.7382

 0.9878, 0.1292,
0.0000

228.1392,

 0.0000, 0.0000,

204.2027, 142.9061

0.0000

275.1039,
248.7219, 179.3896

■ 37.8122, 29.4394,
12.9220

■ 37.8122, 29.4394,
12.9220

■ 35.2130, 25.4813,
8.2324

■ 41.0233, 34.1857,
19.1600

■ 33.1813, 22.2626,
4.9511

■ 44.8823, 39.7562,
27.0667

■ 31.6693, 19.7357,
2.9146

■ 49.4245, 46.1900,
36.7521

■ 30.6044, 17.8388,
1.8417

■ 54.6822, 53.5226,
48.3165

■ 30.5878, 17.8092,
1.8254

■ 60.6853, 61.7871,
61.8525

■ 67.4621, 71.0152,
77.4466

■ 75.0393, 81.2367,
95.1802

■ 82.0937, 91.9410,
108.0273

■ 83.0232, 93.8000,
108.3372

Harmonies

Analogous

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



41.8589, 29.4394, 23.8141



37.8122, 29.4394, 12.9220



31.4002, 29.4394, 8.4723

Triad

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



37.8122, 29.4394, 12.9220



17.5937, 29.4394, 23.5288



31.2688, 29.4394, 80.4924

Complementary

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



37.8122, 29.4394, 12.9220



34.3684, 42.3045, 73.3715

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.



24.8199, 29.4394, 80.3196



37.8122, 29.4394, 12.9220



17.5698, 29.4394, 42.0054

Square

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



37.8122, 29.4394, 12.9220



20.0931, 29.4394, 12.7830



20.0216, 29.4394, 64.3166



37.7032, 29.4394, 64.7241

Rectangle

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



37.8122, 29.4394, 12.9220



26.9697, 29.4394, 8.0100



20.0216, 29.4394, 64.3166



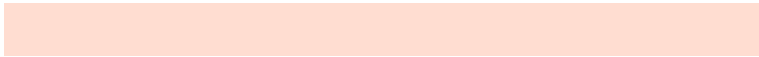
29.0178, 29.4394, 82.4478

Sweetspot

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



37.8129, 29.4409, 12.9225



78.5290, 77.4044, 71.1882



41.5926, 25.5954, 49.3420



16.3083, 15.8750, 14.1221



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.



37.8129, 29.4409, 12.9225



48.8285, 34.5967, 10.1330



48.5863, 50.9877, 16.5137



13.3213, 13.5820, 13.6450



18.2113, 10.7082, 1.1070



1.2485, 0.8310, 0.0946

Inverse Universe

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



34.3684, 42.3045, 73.3715



43.4150, 54.0489, 102.7520



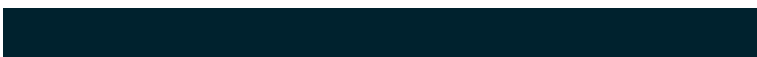
23.6179, 20.8035, 69.7880



13.1526, 14.2450, 16.7085



15.5259, 18.9212, 42.5723



1.0728, 1.3598, 2.7804

Previews

White Background



This preview shows how the XYZ color 37.8122, 29.4394, 12.9220 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 37.8122, 29.4394, 12.9220 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 37.8122, 29.4394, 12.9220

Background



This preview shows how black text looks on a background with the XYZ color 37.8122, 29.4394, 12.9220.



This preview shows how white text looks on a background with the XYZ color 37.8122, 29.4394,

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

37.8122, 29.4394, 12.9220

Protanopia

27.4925, 29.6387, 15.8271

Deuteranopia

30.1812, 29.5136, 12.4935



Tritanopia

39.7659, 29.3436, 22.9700

Trichromacy



Original Color

37.8122, 29.4394, 12.9220

Protanomaly

30.4003, 28.9302, 14.5715

Deuteranomaly

32.6705, 29.3082, 12.5295

Tritanomaly

38.9183, 29.3424, 18.9417

Monochromacy



Original Color

37.8122, 29.4394, 12.9220

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.0880, 28.5676, 23.6669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8122, 29.4394, 12.9220 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, 121, 88)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 88)  
}
```

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, 121, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 88) }
```

Border

The CSS property to change the border of an element to XYZ 37.8122, 29.4394, 12.9220 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, 121, 88) }
```


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

```
.border{ border-color:rgb(219, 121, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 121, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 88);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8122, 29.4394, 12.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 121, 88) }
```

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

```
.background{ background-color: rgb(219,  
121, 88) }
```

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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