

Converting Colors

XYZ(37.7412, 29.1829, 14.7100)

Have a look what the booklet for
XYZ(37.7412, 29.1829, 14.7100)
contains.

XYZ(37.7412, 29.1829, 14.7100)	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(37.7412, 29.1829,
14.7100)**

Conversions

Conversions Part 1

Format	Color
Hex	DA7860
RGB	218, 120, 96
RGB Percent	85%, 47%, 38%
CMY	0.1451, 0.5294, 0.6235
CMYK	0.00, 0.45, 0.56, 0.15
HSL	12°, 62%, 62%
HSV	12°, 56%, 85%
XYZ	37.7412, 29.1829, 14.7100
YIQ	146.5660, 66.1120, 13.3120

Conversions

Conversions Part 2

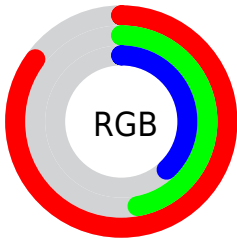
Format	Color
RYB	218, 126, 96
Decimal	14317664
CIELab	60.94, 35.85, 30.04
CIELCh	61, 46.773, 39.954
Yxy	29.1829, 0.4623, 0.3575
Android (android.graphics.Color)	4292507744 (0xFFDA7860)
YUV	146.5660, -24.9290, 62.6476
Hunter-Lab	54.0212, 30.1696, 21.6701

Details

The XYZ color **37.7412, 29.1829, 14.7100** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.7692, 46.1296, 73.2952**, and the grayscale version is **27.6353, 29.0745, 31.6621**.

A 20% lighter version of the original color is **61.6425, 53.6387, 34.7082**, and **16.9806, 11.8489, 4.2978** is the 20% darker color. If you saturate the color by 10%, you get **34.9564, 25.0030, 9.4978**, and if you desaturate by 10%, it is **41.1908, 34.2473, 21.5170**.

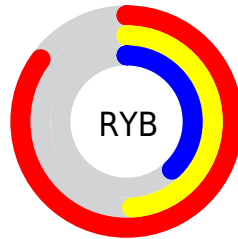
Distribution



Red (85%)

Green (47%)

Blue (38%)



Red (85%)

Yellow (49%)

Blue (38%)

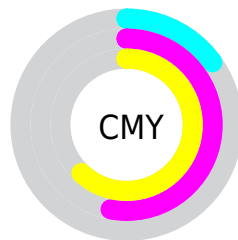


Cyan (0%)

Magenta (45%)

Yellow (56%)

Black (15%)



Cyan (15%)

Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7412, 29.1829, 14.7100 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 37.7412, 29.1829, 14.7100 by changing the saturation by 10% instead.


 37.7412, 29.1829,
14.7100


 37.7412, 29.1829,
14.7100


327.8086,
298.0770, 233.1841

 25.9582, 19.2192,
8.4718


 71.0178, 58.3676,
35.0787

 16.9249, 11.8288,
4.3062


 93.2420, 78.3573,
50.0462

 10.2759, 6.6272,
1.7948


 119.6774,
102.4579, 68.7606

 5.6459, 3.2301,
0.4245

 150.6892,
131.0537, 91.6404

 2.6696, 1.2530,
0.0000

186.6429,
164.5291, 119.1041

 0.9816, 0.1044,
0.0000

227.9038,

 0.0000, 0.0000,

203.2685, 151.5703

0.0000

274.8372,
247.6563, 189.4574

■ 37.7412, 29.1829,
14.7100

■ 37.7412, 29.1829,
14.7100

■ 34.9564, 25.0030,
9.4978

■ 41.1908, 34.2473,
21.5170

■ 32.7896, 21.6517,
5.7474

■ 45.3434, 40.2388,
30.0340

■ 31.1909, 19.0733,
3.3065

■ 50.2368, 47.2029,
40.3672

■ 30.1006, 17.2028,
1.9867

■ 55.9053, 55.1804,
52.6138

■ 29.7734, 16.6255,
1.6398

■ 62.3812, 64.2099,
66.8640

■ 69.6948, 74.3281,
83.2024

■ 77.8747, 85.5697,
101.7085

■ 82.7233, 93.6453,
108.3231

Harmonies

Analogous

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



40.9764, 29.1829, 26.3126



37.7412, 29.1829, 14.7100



31.9578, 29.1829, 9.5047

Triad

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



37.7412, 29.1829, 14.7100



18.1090, 29.1829, 21.5906



29.8158, 29.1829, 77.7061

Complementary

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



37.7412, 29.1829, 14.7100



36.7692, 46.1296, 73.2952

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.



23.9061, 29.1829, 74.9613



37.7412, 29.1829, 14.7100



17.7098, 29.1829, 37.9459

Square

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



37.7412, 29.1829, 14.7100



20.8632, 29.1829, 12.3471



19.6789, 29.1829, 58.6139



35.9768, 29.1829, 65.1302

Rectangle

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



37.7412, 29.1829, 14.7100



27.7470, 29.1829, 8.6228



19.6789, 29.1829, 58.6139



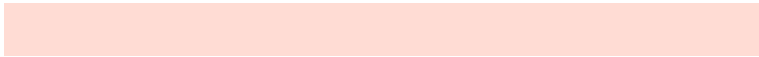
27.7280, 29.1829, 78.6280

Sweetspot

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



37.7419, 29.1844, 14.7105



78.7200, 77.2767, 72.8230



43.0183, 27.2401, 54.9964



16.4849, 16.0289, 14.7954



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.



37.7419, 29.1844, 14.7105



49.2973, 34.8047, 12.5381



47.2183, 48.1372, 17.8693



13.2624, 13.4642, 13.6254



17.8976, 10.0808, 1.0025



1.2202, 0.7746, 0.0852

Inverse Universe

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



36.7692, 46.1296, 73.2952



47.6770, 61.0266, 103.8742



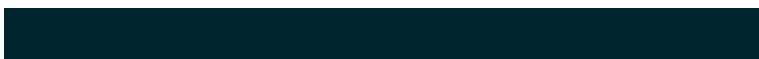
26.0918, 24.7747, 69.7361



13.2159, 14.3715, 16.7296



16.8548, 21.5791, 43.0152



1.1486, 1.5114, 2.8056

Previews

White Background



This preview shows how the XYZ color 37.7412, 29.1829, 14.7100 looks on a white background.

Color Contrast Check

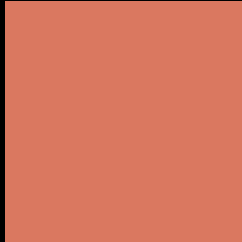
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7412, 29.1829, 14.7100 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 37.7412, 29.1829, 14.7100

Background



This preview shows how black text looks on a background with the XYZ color 37.7412, 29.1829, 14.7100.



This preview shows how white text looks on a background with the XYZ color 37.7412, 29.1829,

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

37.7412, 29.1829, 14.7100

Protanopia

27.3856, 29.2999, 18.1220

Deuteranopia

29.8167, 29.2874, 14.2067



Tritanopia

39.3987, 29.1617, 22.6210

Trichromacy



Original Color

37.7412, 29.1829, 14.7100

Protanomaly

30.2162, 28.5739, 16.7547

Deuteranomaly

32.3556, 28.9028, 14.2294

Tritanomaly

38.6120, 28.9976, 19.4816

Monochromacy



Original Color

37.7412, 29.1829, 14.7100

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.0755, 28.3341, 24.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7412, 29.1829, 14.7100 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(218, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(218, 120, 96)  
}
```

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(218, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 120, 96) }
```

Border

The CSS property to change the border of an element to XYZ 37.7412, 29.1829, 14.7100 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(218, 120, 96) }
```


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

```
.border{ border-color:rgb(218, 120, 96) }
```

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

Here you see how a box with a 4 pixel rgb(218, 120, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(218, 120,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7412, 29.1829, 14.7100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 120, 96) }
```

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

```
.background{ background-color: rgb(218,  
120, 96) }
```

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