

Converting Colors

XYZ(37.2829, 29.2481, 7.8989)

Have a look what the booklet for
XYZ(37.2829, 29.2481, 7.8989)
contains.

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Color

**XYZ(37.1682, 29.2166,
7.9554)**

Conversions

Conversions Part 1

Format	Color
Hex	DC793C
RGB	220, 121, 60
RGB Percent	86%, 47%, 24%
CMY	0.1373, 0.5255, 0.7647
CMYK	0.00, 0.45, 0.73, 0.14
HSL	23°, 70%, 55%
HSV	23°, 73%, 86%
XYZ	37.1682, 29.2166, 7.9554
YIQ	143.6470, 78.5850, 2.0170

Conversions

Conversions Part 2

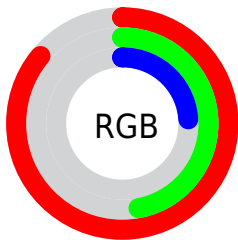
Format	Color
R_{YB}	220, 159, 60
Decimal	14448956
CIE Lab	60.97, 33.86, 49.10
CIE LCh	61, 59.642, 55.411
Yxy	29.2166, 0.5000, 0.3930
Android (android.graphics.Color)	4292639036 (0xFFDC793C)
YUV	143.6470, -41.2380, 66.9616
Hunter-Lab	54.0524, 28.1508, 29.1104

Details

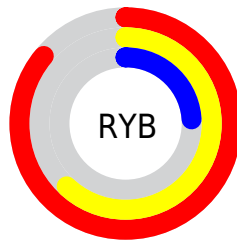
The XYZ color **37.1682, 29.2166, 7.9554** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.1791, 30.9226, 72.2459**, and the grayscale version is **26.5064, 27.8868, 30.3688**.

A 20% lighter version of the original color is **59.1905, 52.6579, 21.7962**, and **16.5897, 11.8927, 1.6222** is the 20% darker color. If you saturate the color by 10%, you get **35.1639, 25.9534, 4.9901**, and if you desaturate by 10%, it is **39.6489, 33.0464, 12.2719**.

Distribution



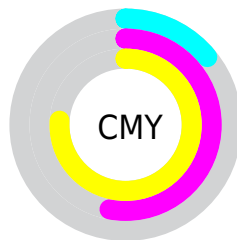
- Red (86%)
- Green (47%)
- Blue (24%)



- Red (86%)
- Yellow (62%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (14%)





- Cyan (14%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1682, 29.2166, 7.9554 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 37.1682, 29.2166, 7.9554 by changing the saturation by 10% instead.


 37.1682, 29.2166,
7.9554


 37.1682, 29.2166,
7.9554


325.3811,
298.2356, 185.3033

 25.5120, 19.2447,
3.9791


 70.1436, 58.4210,
22.4157

 16.5897, 11.8473,
1.6139


 92.1934, 78.4224,
33.7367

 10.0359, 6.6398,
0.3007


 118.4386,
102.5357, 48.3431

 5.4852, 3.2378,
0.0000

 149.2444,
131.1454, 66.6532

 2.5723, 1.2571,
0.0000

 184.9762,
164.6359, 89.0858

 0.9319, 0.1076,
0.0000

 225.9993,

 0.0000, 0.0000,

203.3914, 116.0593

0.0000

272.6792,
247.7965, 147.9923

■ 37.1682, 29.2166,
7.9554

■ 37.1682, 29.2166,
7.9554

■ 35.1639, 25.9534,
4.9901

■ 39.6489, 33.0464,
12.2719

■ 33.5920, 23.2199,
3.2017


■ 42.6398, 37.4671,
18.0818


■ 32.6762, 21.5379,
2.4350

■ 46.1735, 42.5069,
25.5104


■ 50.2789, 48.1905,
34.6695

■ 54.9825, 54.5411,
45.6608

 60.3094, 61.5808,
58.5779

 66.2827, 69.3304,
73.5082

 72.9247, 77.8100,
90.5335

 79.7691, 86.8437,
107.1660

Harmonies

Analogous

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



43.6118, 29.2166, 16.7286



37.1682, 29.2166, 7.9554



28.9850, 29.2166, 5.3515

Triad

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



37.1682, 29.2166, 7.9554



15.3567, 29.2166, 28.5023



34.7043, 29.2166, 88.4061

Complementary

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



37.1682, 29.2166, 7.9554



27.1791, 30.9226, 72.2459

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.



26.5885, 29.2166, 96.5759



37.1682, 29.2166, 7.9554



16.3200, 29.2166, 53.9937

Square

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



37.1682, 29.2166, 7.9554



17.1752, 29.2166, 13.1475



20.1060, 29.2166, 81.7953



42.0129, 29.2166, 62.8999

Rectangle

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



37.1682, 29.2166, 7.9554



23.9769, 29.2166, 5.7911



20.1060, 29.2166, 81.7953



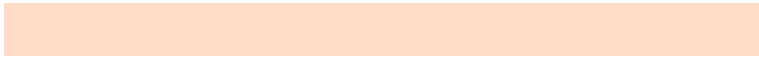
31.9424, 29.2166, 93.6607

Sweetspot

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



37.1689, 29.2182, 7.9559



77.2066, 76.7176, 64.7107



37.5935, 21.0325, 35.9510



16.1198, 15.8782, 12.8874



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.



37.1689, 29.2182, 7.9559



47.9642, 34.2658, 5.5359



50.6775, 56.2354, 12.4588



13.4609, 13.8612, 13.6916



19.2771, 12.8397, 1.4623



1.3305, 0.9951, 0.1220

Inverse Universe

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



27.1791, 30.9226, 72.2459



33.1341, 36.4501, 99.8970



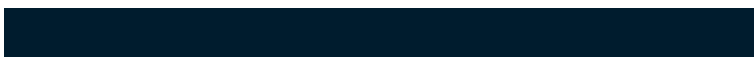
17.7492, 12.0628, 69.1026



13.0062, 13.9521, 16.6597



12.8691, 13.6077, 41.6867



0.9160, 1.0460, 2.7281

Previews

White Background



This preview shows how the XYZ color 37.1682, 29.2166, 7.9554 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 37.1682, 29.2166, 7.9554 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 37.1682, 29.2166, 7.9554

Background



This preview shows how black text looks on a background with the XYZ color 37.1682, 29.2166, 7.9554.



This preview shows how white text looks on a background with the XYZ color 37.1682, 29.2166,

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

37.1682, 29.2166, 7.9554

Protanopia

26.9431, 29.4897, 9.7409

Deuteranopia

29.8348, 29.2223, 7.6824



Tritanopia

39.9616, 29.1277, 21.9284

Trichromacy



Original Color

37.1682, 29.2166, 7.9554

Protanomaly

29.8098, 28.7490, 8.9790

Deuteranomaly

32.1520, 28.9408, 7.7624

Tritanomaly

38.7376, 29.1530, 15.3898

Monochromacy



Original Color

37.1682, 29.2166, 7.9554

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.7981, 27.5712, 19.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1682, 29.2166, 7.9554 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(220, 121, 60)` looks like.

```
.text, #text, p{  
    color:rgb(220, 121, 60)  
}
```

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(220, 121, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 121, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.1682, 29.2166, 7.9554 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(220, 121, 60) }
```


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

```
.border{ border-color:rgb(220, 121, 60) }
```

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

Here you see how a box with a 4 pixel rgb(220, 121, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 121, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 121, 60);  
box-shadow:4px 4px 4px 4px rgb(220, 121,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1682, 29.2166, 7.9554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 121, 60) }
```

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

```
.background{ background-color: rgb(220,  
121, 60) }
```

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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