

Converting Colors

XYZ(37.5278, 29.4730, 7.8984)

Have a look what the booklet for
XYZ(37.5278, 29.4730, 7.8984)
contains.

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Color

**XYZ(37.4456, 29.3627,
7.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	DD793B
RGB	221, 121, 59
RGB Percent	87%, 47%, 23%
CMY	0.1333, 0.5255, 0.7686
CMYK	0.00, 0.45, 0.73, 0.13
HSL	23°, 70%, 55%
HSV	23°, 73%, 87%
XYZ	37.4456, 29.3627, 7.8316
YIQ	143.8320, 79.5020, 1.9180

Conversions

Conversions Part 2

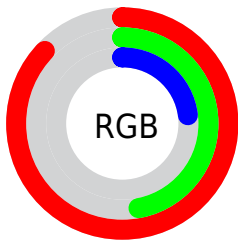
Format	Color
R_{YB}	221, 159, 59
Decimal	14514491
CIE _{Lab}	61.10, 34.21, 49.76
CIE _{LCh}	61, 60.384, 55.487
Yxy	29.3627, 0.5017, 0.3934
Android (android.graphics.Color)	4292704571 (0xFFDD793B)
YUV	143.8320, -41.8222, 67.6763
Hunter-Lab	54.1874, 28.5226, 29.3621

Details

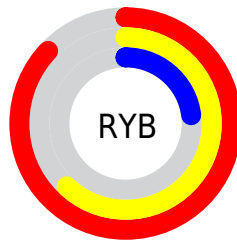
The XYZ color **37.4456, 29.3627, 7.8316** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.2519, 30.9445, 72.9427**, and the grayscale version is **26.5831, 27.9675, 30.4566**.

A 20% lighter version of the original color is **59.1364, 52.6362, 21.5110**, and **16.7148, 11.8649, 1.5528** is the 20% darker color. If you saturate the color by 10%, you get **35.4469, 26.0968, 4.9111**, and if you desaturate by 10%, it is **39.9226, 33.1975, 12.1082**.

Distribution



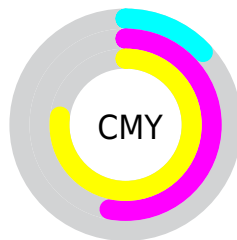
- Red (87%)
- Green (47%)
- Blue (23%)



- Red (87%)
- Yellow (62%)
- Blue (23%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (13%)





- Cyan (13%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4456, 29.3627, 7.8316 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 37.4456, 29.3627, 7.8316 by changing the saturation by 10% instead.


 37.4456, 29.3627,
7.8316


 37.4456, 29.3627,
7.8316


326.5579,
298.9224, 184.2901


 25.7279, 19.3554,
3.9012

 70.5670, 58.6529,
22.1683

 16.7518, 11.9273,
1.5713


 92.7014, 78.7045,
33.4117

 10.1519, 6.6942,
0.2702


 119.0388,
102.8730, 47.9298

 5.5628, 3.2716,
0.0000

 149.9446,
131.5427, 66.1412

 2.6192, 1.2751,
0.0000

 185.7840,
165.0982, 88.4644

 0.9558, 0.1218,
0.0000

 226.9224,

 0.0000, 0.0000,

203.9237, 115.3179

0.0000

273.7253,
248.4036, 147.1203

■ 37.4456, 29.3627,
7.8316

■ 37.4456, 29.3627,
7.8316

■ 35.4469, 26.0968,
4.9111

■ 39.9226, 33.1975,
12.1082

■ 33.8817, 23.3625,
3.1682

■ 42.9122, 37.6260,
17.8859

■ 33.0348, 21.8044,
2.4676

■ 46.4476, 42.6765,
25.2925

■ 50.5580, 48.3741,
34.4416

■ 55.2705, 54.7421,
45.4365

■ 60.6102, 61.8029,
58.3724

■ 66.6008, 69.5774,
73.3379

■ 73.2646, 78.0858,
90.4160

■ 80.1521, 87.1591,
107.2067

Harmonies

Analogous

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



44.0162, 29.3627, 16.6489



37.4456, 29.3627, 7.8316



29.1225, 29.3627, 5.2372

Triad

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



37.4456, 29.3627, 7.8316



15.3239, 29.3627, 28.6641



34.9798, 29.3627, 89.6298

Complementary

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



37.4456, 29.3627, 7.8316



27.2519, 30.9445, 72.9427

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.



26.7285, 29.3627, 98.0417



37.4456, 29.3627, 7.8316



16.3052, 29.3627, 54.6224

Square

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



37.4456, 29.3627, 7.8316



17.1561, 29.3627, 13.0939



20.1459, 29.3627, 82.9856



42.4142, 29.3627, 63.5548

Rectangle

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



37.4456, 29.3627, 7.8316



24.0401, 29.3627, 5.6824



20.1459, 29.3627, 82.9856



32.1708, 29.3627, 95.0192

Sweetspot

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



37.4463, 29.3643, 7.8321



77.2283, 76.7610, 64.7180



37.8687, 21.0946, 36.0721



16.1249, 15.8883, 12.8891



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.



37.4463, 29.3643, 7.8321



47.7841, 33.9609, 5.3055



51.1236, 56.7188, 12.3912



13.4625, 13.8644, 13.6921



19.2921, 12.8697, 1.4673



1.3316, 0.9973, 0.1223

Inverse Universe

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



27.2519, 30.9445, 72.9427



32.8115, 35.9220, 99.8120



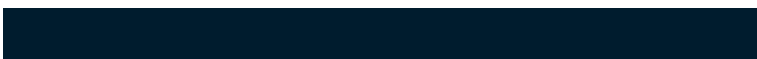
17.7677, 11.9761, 69.7813



13.0045, 13.9488, 16.6591



12.8425, 13.5544, 41.6778



0.9143, 1.0428, 2.7275

Previews

White Background



This preview shows how the XYZ color 37.4456, 29.3627, 7.8316 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 37.4456, 29.3627, 7.8316 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 37.4456, 29.3627, 7.8316

Background



This preview shows how black text looks on a background with the XYZ color 37.4456, 29.3627, 7.8316.



This preview shows how white text looks on a background with the XYZ color 37.4456, 29.3627,

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

37.4456, 29.3627, 7.8316

Protanopia

26.9129, 29.4776, 9.5815

Deuteranopia

30.1983, 29.6304, 7.6176



Tritanopia

40.2706, 29.2871, 21.9428

Trichromacy



Original Color

37.4456, 29.3627, 7.8316

Protanomaly

30.0215, 28.8614, 8.8390

Deuteranomaly

32.5276, 29.3415, 7.6905

Tritanomaly

39.0448, 29.3114, 15.4042

Monochromacy



Original Color

37.4456, 29.3627, 7.8316

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 37.4456, 29.3627, 7.8316 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(221, 121, 59)` looks like.

```
.text, #text, p{  
    color:rgb(221, 121, 59)  
}
```

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(221, 121, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 121, 59) }
```

Border

The CSS property to change the border of an element to XYZ 37.4456, 29.3627, 7.8316 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(221, 121, 59) }
```


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

```
.border{ border-color:rgb(221, 121, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 121, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 121, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 121, 59);  
box-shadow:4px 4px 4px 4px rgb(221, 121,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4456, 29.3627, 7.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 121, 59) }
```

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

```
.background{ background-color: rgb(221,  
121, 59) }
```

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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