

# Converting Colors

XYZ(37.3764, 28.1891, 15.2511)

Have a look what the booklet for  
XYZ(37.3764, 28.1891, 15.2511)  
contains.

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# Color

**XYZ(37.2963, 28.0677,  
15.2563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA7363
RGB	218, 115, 99
RGB Percent	85%, 45%, 39%
CMY	0.1451, 0.5490, 0.6118
CMYK	0.00, 0.47, 0.55, 0.15
HSL	8°, 62%, 62%
HSV	8°, 55%, 85%
XYZ	37.2963, 28.0677, 15.2563
YIQ	143.9730, 66.5240, 16.8600

# Conversions

## Conversions Part 2

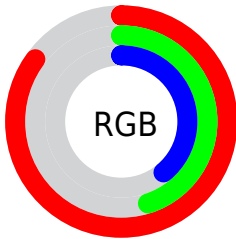
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">218, 117, 99</a>
Decimal	<a href="#">14316387</a>
CIELab	<a href="#">59.95, 38.68, 27.07</a>
CIELCh	<a href="#">60, 47.215, 34.982</a>
Yxy	<a href="#">28.0677, 0.4626, 0.3481</a>
Android (android.graphics.Color)	<a href="#">4292506467</a> ( <a href="#">0xFFDA7363</a> )
YUV	<a href="#">143.9730, -22.1717, 64.9217</a>
Hunter-Lab	<a href="#">52.9790, 32.9478, 20.0116</a>

# Details

The XYZ color **37.2963, 28.0677, 15.2563** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.9198, 49.9531, 73.9200**, and the grayscale version is **26.5668, 27.9504, 30.4380**.

A 20% lighter version of the original color is **60.9330, 51.8379, 35.6484**, and **16.7513, 11.2857, 4.5443** is the 20% darker color. If you saturate the color by 10%, you get **34.4555, 23.8351, 9.8431**, and if you desaturate by 10%, it is **40.8601, 33.2964, 22.2986**.

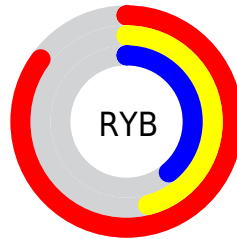
# Distribution



Red (85%)

Green (45%)

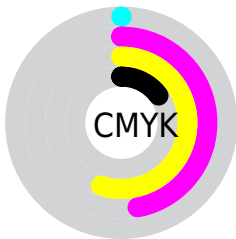
Blue (39%)



Red (85%)

Yellow (46%)

Blue (39%)

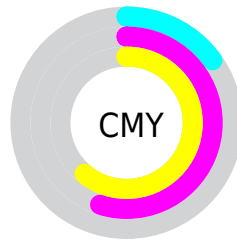


Cyan (0%)

Magenta (47%)

Yellow (55%)

Black (15%)



Cyan (15%)

Magenta (55%)


Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2963, 28.0677, 15.2563 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 37.2963, 28.0677, 15.2563 by changing the saturation by 10% instead.




 37.2963, 28.0677,  
15.2563

 37.2963, 28.0677,  
15.2563


325.9249,  
292.7903, 236.6063


 25.6117, 18.3767,  
8.8508


 70.3391, 56.5925,  
36.0508

 16.6645, 11.2208,  
4.5485


 92.4281, 76.1951,  
51.2770

 10.0894, 6.2155,  
1.9308


 118.7159, 99.8704,  
70.2804

 5.5210, 2.9766,  
0.5123

 149.5679,  
128.0027, 93.4797

 2.5939, 1.1195,  
0.0000

185.3494,  
160.9764, 121.2934

 0.9429, 0.0000,  
0.0000

226.4259,

 0.0000, 0.0000,

199.1760, 154.1401

0.0000

273.1626,  
242.9858, 192.4382

■ 37.2963, 28.0677,  
15.2563

■ 37.2963, 28.0677,  
15.2563

■ 34.4555, 23.8351,  
9.8431

■ 40.8601, 33.2964,  
22.2986

■ 32.2854, 20.5308,  
5.9263

■ 45.1902, 39.5746,  
31.0853

■ 30.7298, 18.0855,  
3.3546

■ 50.3289, 46.9571,  
41.7232

■ 29.7217, 16.4178,  
1.9439

■ 56.3148, 55.4934,  
54.3097

■ 29.3606, 15.7999,  
1.5022

■ 63.1840, 65.2303,  
68.9357

■ 70.9706, 76.2118,  
85.6863

■ 79.7066, 88.4798,  
104.6416

■ 82.7233, 93.6454,  
108.3231

# Harmonies

## Analogous

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



39.9079, 28.0677, 27.7790



37.2963, 28.0677, 15.2563



31.8627, 28.0677, 9.3267

# Triad

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



37.2963, 28.0677, 15.2563



17.5253, 28.0677, 18.6044



27.6926, 28.0677, 76.7390

# Complementary

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



37.2963, 28.0677, 15.2563



38.9198, 49.9531, 73.9200

# 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.



22.0878, 28.0677, 71.3702



37.2963, 28.0677, 15.2563



16.7515, 28.0677, 33.5228

# Square

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



37.2963, 28.0677, 15.2563



20.5919, 28.0677, 10.6896



18.2938, 28.0677, 53.7013



33.8575, 28.0677, 66.4350



# Rectangle

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



37.2963, 28.0677, 15.2563



27.6999, 28.0677, 8.0422



18.2938, 28.0677, 53.7013



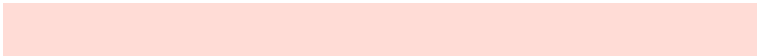
25.6806, 28.0677, 76.7357

# Sweetspot

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



37.2970, 28.0692, 15.2568



78.9144, 77.1478, 74.4841



44.0517, 28.0999, 59.0619



16.4982, 15.9536, 15.1143



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.



37.2970, 28.0692, 15.2568



48.4526, 32.9524, 12.7594



46.3726, 46.2203, 18.2820



13.1966, 13.3325, 13.6035



17.6350, 9.5556, 0.9149



1.1892, 0.7125, 0.0749



# Inverse Universe

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



38.9198, 49.9531, 73.9200



50.9117, 67.1501, 104.8857



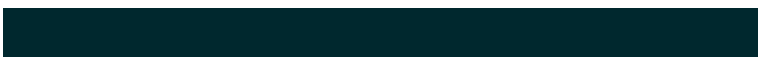
27.5682, 27.2499, 70.1362



13.2877, 14.5152, 16.7535



18.5004, 24.8702, 43.5638



1.2408, 1.6957, 2.8363



# Previews

## White Background



This preview shows how the XYZ color 37.2963, 28.0677, 15.2563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

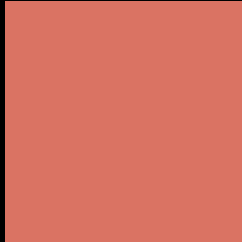
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.2963, 28.0677, 15.2563 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 37.2963, 28.0677, 15.2563**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2963, 28.0677, 15.2563.



This preview shows how white text looks on a background with the XYZ color 37.2963, 28.0677,

15.2563.

# 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

37.2963, 28.0677, 15.2563

### Protanopia

26.5676, 28.3892, 19.4086

### Deuteranopia

28.7537, 28.2901, 14.7715



## Tritanopia

38.3978, 28.0045, 21.1509

# Trichromacy



## Original Color

37.2963, 28.0677, 15.2563

## Protanomaly

29.5390, 27.5767, 17.6759

## Deuteranomaly

31.3292, 27.7569, 14.7727

## Tritanomaly

38.0432, 28.0402, 18.7364

# Monochromacy



## Original Color

37.2963, 28.0677, 15.2563

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

29.0784, 26.9915, 24.0994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2963, 28.0677, 15.2563 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, 115, 99)` looks like.

```
.text, #text, p{  
    color:rgb(218, 115, 99)  
}
```

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, 115, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 115, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2963, 28.0677, 15.2563 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, 115, 99) }
```



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

```
.border{ border-color:rgb(218, 115, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 115, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 115, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 115, 99);  
box-shadow:4px 4px 4px 4px rgb(218, 115,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2963, 28.0677, 15.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 115, 99) }
```

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

```
.background{ background-color: rgb(218,  
115, 99) }
```

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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