

Converting Colors

XYZ(38.6851, 29.3034, 14.0592)

Have a look what the booklet for
XYZ(38.6851, 29.3034, 14.0592)
contains.

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Color

**XYZ(38.5784, 29.2768,
13.9736)**

Conversions

Conversions Part 1

Format	Color
Hex	DE765D
RGB	222, 118, 93
RGB Percent	87%, 46%, 36%
CMY	0.1294, 0.5372, 0.6353
CMYK	0.00, 0.47, 0.58, 0.13
HSL	12°, 66%, 62%
HSV	12°, 58%, 87%
XYZ	38.5784, 29.2768, 13.9736
YIQ	146.2460, 70.0090, 14.2730

Conversions

Conversions Part 2

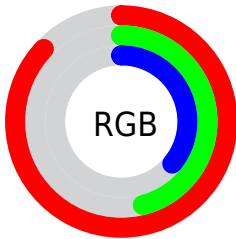
Format	Color
R_{YB}	222, 124, 93
Decimal	14579293
CIE Lab	61.03, 38.20, 31.92
CIE LCh	61, 49.779, 39.885
Yxy	29.2768, 0.4715, 0.3578
Android (android.graphics.Color)	4292769373 (0xFFDE765D)
YUV	146.2460, -26.2503, 66.4363
Hunter-Lab	54.1080, 32.5793, 22.5638

Details

The XYZ color **38.5784, 29.2768, 13.9736** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **37.6638, 47.5307, 76.2961**, and the grayscale version is **27.5077, 28.9402, 31.5159**.

A 20% lighter version of the original color is **61.0266, 52.7787, 33.3564**, and **17.4006, 11.8929, 3.9632** is the 20% darker color. If you saturate the color by 10%, you get **35.8227, 25.1174, 8.8879**, and if you desaturate by 10%, it is **42.0207, 34.3531, 20.6965**.

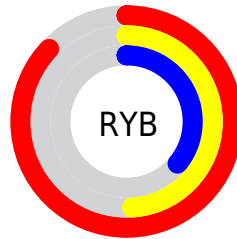
Distribution



Red (87%)

Green (46%)

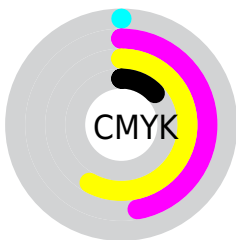
Blue (36%)



Red (87%)

Yellow (49%)

Blue (36%)

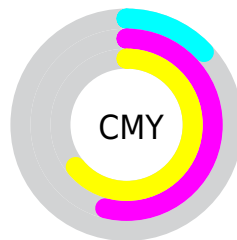


Cyan (0%)

Magenta (47%)

Yellow (58%)

Black (13%)



Cyan (13%)


Magenta (54%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5784, 29.2768, 13.9736 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 38.5784, 29.2768, 13.9736 by changing the saturation by 10% instead.


 38.5784, 29.2768,
13.9736


 38.5784, 29.2768,
13.9736


331.3328,
298.5187, 228.4893


 26.6112, 19.2903,
7.9638


 72.2920, 58.5166,
33.7586


 17.4165, 11.8802,
3.9843


 94.7691, 78.5387,
48.3709

 10.6290, 6.6622,
1.6168


 121.4802,
102.6747, 66.6877

 5.8834, 3.2517,
0.3027

 152.7906,
131.3092, 89.1277

 2.8143, 1.2645,
0.0000

189.0657,
164.8264, 116.1093

 1.0563, 0.1135,
0.0000

230.6709,

 0.0000, 0.0000,

203.6108, 148.0510

0.0000

277.9715,
248.0468, 185.3715

■ 38.5784, 29.2768,
13.9736

■ 38.5784, 29.2768,
13.9736

■ 35.8227, 25.1174,
8.8879

■ 42.0207, 34.3531,
20.6965

■ 33.7035, 21.8148,
5.2961

■ 46.1908, 40.3924,
29.1800

■ 32.1663, 19.3086,
3.0325

■ 51.1292, 47.4433,
39.5376

■ 31.1405, 17.5257,
1.8622

■ 56.8724, 55.5496,
51.8728

■ 30.9891, 17.2597,
1.6981

■ 63.4549, 64.7525,
66.2813

■ 70.9088, 75.0911,
82.8528

■ 79.2649, 86.6024,
101.6714

■ 83.9340, 94.2695,
108.3798

Harmonies

Analogous

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



42.0684, 29.2768, 26.1114



38.5784, 29.2768, 13.9736



32.3570, 29.2768, 8.6750

Triad

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



38.5784, 29.2768, 13.9736



17.6508, 29.2768, 21.0704



30.0311, 29.2768, 81.8370

Complementary

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



38.5784, 29.2768, 13.9736



37.6638, 47.5307, 76.2961

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.



23.7403, 29.2768, 78.7742



38.5784, 29.2768, 13.9736



17.2277, 29.2768, 38.4354

Square

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



38.5784, 29.2768, 13.9736



20.5476, 29.2768, 11.5243



19.2850, 29.2768, 60.8312



36.6492, 29.2768, 68.0534

Rectangle

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



38.5784, 29.2768, 13.9736



27.8519, 29.2768, 7.7889



19.2850, 29.2768, 60.8312



27.8015, 29.2768, 82.8386

Sweetspot

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



38.5791, 29.2783, 13.9741



78.6867, 77.2102, 72.8119



44.2719, 27.4518, 56.6032



16.4771, 16.0133, 14.7928



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.



38.5791, 29.2783, 13.9741



48.2575, 33.1798, 10.7899



48.6542, 49.4286, 17.3325



13.9212, 14.1284, 14.3001



18.4683, 10.3745, 1.0291



1.3422, 0.8433, 0.0920

Inverse Universe

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



37.6638, 47.5307, 76.2961



46.7683, 60.1729, 103.7573



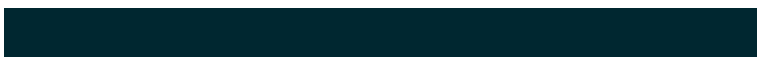
26.2035, 24.6100, 72.4760



13.8790, 15.0971, 17.5702



17.4811, 22.4318, 44.4568



1.2703, 1.6720, 3.1010

Previews

White Background



This preview shows how the XYZ color 38.5784, 29.2768, 13.9736 looks on a white background.

Color Contrast Check

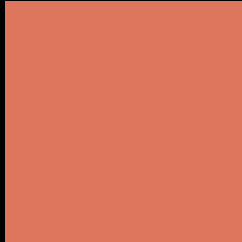
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5784, 29.2768, 13.9736 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 38.5784, 29.2768, 13.9736

Background



This preview shows how black text looks on a background with the XYZ color 38.5784, 29.2768, 13.9736.



This preview shows how white text looks on a background with the XYZ color 38.5784, 29.2768,

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

38.5784, 29.2768, 13.9736

Protanopia

27.4378, 29.5707, 17.6262

Deuteranopia

29.9185, 29.3547, 13.5403



Tritanopia

40.2706, 29.2871, 21.9428

Trichromacy



Original Color

38.5784, 29.2768, 13.9736

Protanomaly

30.5860, 28.7760, 16.2542

Deuteranomaly

32.7387, 29.1153, 13.5672

Tritanomaly

39.4314, 29.0971, 18.5770

Monochromacy



Original Color

38.5784, 29.2768, 13.9736

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.0905, 28.1393, 23.9242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5784, 29.2768, 13.9736 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(222, 118, 93)` looks like.

```
.text, #text, p{  
    color:rgb(222, 118, 93)  
}
```

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(222, 118, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 118, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.5784, 29.2768, 13.9736 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(222, 118, 93) }
```


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

```
.border{ border-color:rgb(222, 118, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 118, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 118, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 118, 93);  
box-shadow:4px 4px 4px 4px rgb(222, 118,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5784, 29.2768, 13.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 118, 93) }
```

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

```
.background{ background-color: rgb(222,  
118, 93) }
```

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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