

Converting Colors

XYZ(37.9512, 30.4025, 14.1658)

Have a look what the booklet for
XYZ(37.9512, 30.4025, 14.1658)
contains.

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Color

**XYZ(38.0519, 30.4637,
14.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	D97E5D
RGB	217, 126, 93
RGB Percent	85%, 49%, 36%
CMY	0.1490, 0.5059, 0.6353
CMYK	0.00, 0.42, 0.57, 0.15
HSL	16°, 62%, 61%
HSV	16°, 57%, 85%
XYZ	38.0519, 30.4637, 14.2305
YIQ	149.4470, 64.8290, 9.0290

Conversions

Conversions Part 2

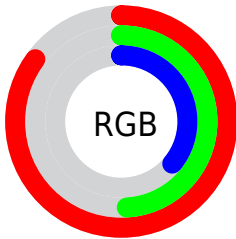
Format	Color
R _Y B	217, 138, 93
Decimal	14253661
CIE Lab	62.05, 32.08, 33.08
CIE LCh	62, 46.077, 45.878
Yxy	30.4637, 0.4599, 0.3682
Android (android.graphics.Color)	4292443741 (0xFFD97E5D)
YUV	149.4470, -27.8284, 59.2440
Hunter-Lab	55.1939, 26.4724, 23.3492

Details

The XYZ color **38.0519, 30.4637, 14.2305** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.1781, 41.6158, 71.8766**, and the grayscale version is **28.8508, 30.3533, 33.0547**.

A 20% lighter version of the original color is **62.5953, 55.9161, 33.8793**, and **17.1098, 12.4985, 4.0954** is the 20% darker color. If you saturate the color by 10%, you get **35.3470, 26.3800, 9.2410**, and if you desaturate by 10%, it is **41.3551, 35.3078, 20.7652**.

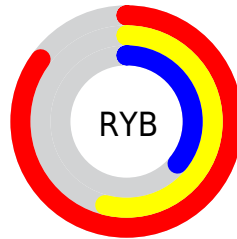
Distribution



Red (85%)

Green (49%)

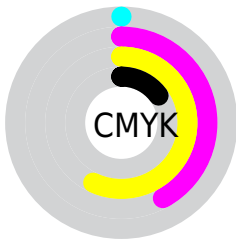
Blue (36%)



Red (85%)

Yellow (54%)

Blue (36%)

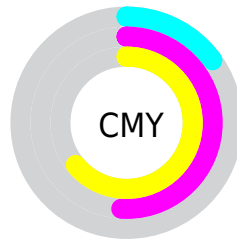


Cyan (0%)

Magenta (42%)

Yellow (57%)

Black (15%)



Cyan (15%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0519, 30.4637, 14.2305 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 38.0519, 30.4637, 14.2305 by changing the saturation by 10% instead.


 38.0519, 30.4637,
14.2305


 38.0519, 30.4637,
14.2305


329.1196,
304.0599, 230.1382

 26.2004, 20.1908,
8.1406


 71.4911, 60.3947,
34.2205


 17.1071, 12.5338,
4.0960


 93.8094, 80.8217,
48.9576

 10.4066, 7.1083,
1.6781


 120.3474,
105.4021, 67.4142

 5.7337, 3.5299,
0.3457

 151.4704,
134.5203, 90.0088

 2.7230, 1.4143,
0.0000

187.5438,
168.5608, 117.1599

 1.0090, 0.2272,
0.0000

228.9328,

 0.0000, 0.0000,

207.9080, 149.2862

0.0000

276.0030,
252.9463, 186.8061

■ 38.0519, 30.4637,
14.2305

■ 38.0519, 30.4637,
14.2305

■ 35.3470, 26.3800,
9.2410

■ 41.3551, 35.3078,
20.7652

■ 33.1991, 23.0121,
5.6647

■ 45.2897, 40.9447,
28.9585

■ 31.5646, 20.3171,
3.3504

■ 49.8887, 47.4103,
38.9152

■ 30.3886, 18.2443,
2.0979

■ 55.1822, 54.7370,
50.7308

■ 30.1161, 17.7535,
1.8395

■ 61.1983, 62.9553,
64.4941

■ 67.9636, 72.0943,
80.2879

■ 75.5033, 82.1817,
98.1903

■ 81.9164, 92.4742,
108.1396

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



41.9711, 30.4637, 24.6941



38.0519, 30.4637, 14.2305



31.9555, 30.4637, 9.8852

Triad

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



38.0519, 30.4637, 14.2305



18.8822, 30.4637, 25.5321



32.3332, 30.4637, 77.9181

Complementary

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



38.0519, 30.4637, 14.2305



34.1781, 41.6158, 71.8766

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.



26.1482, 30.4637, 78.3968



38.0519, 30.4637, 14.2305



18.9533, 30.4637, 43.3919

Square

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



38.0519, 30.4637, 14.2305



21.2268, 30.4637, 14.6548



21.4371, 30.4637, 64.1323



38.3621, 30.4637, 62.9929

Rectangle

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



38.0519, 30.4637, 14.2305



27.7534, 30.4637, 9.5106



21.4371, 30.4637, 64.1323



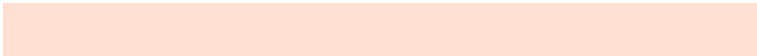
30.1904, 30.4637, 79.9156

Sweetspot

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



38.0526, 30.4653, 14.2311



79.5176, 78.8720, 73.0889



41.3926, 26.1258, 49.3155



16.6713, 16.4018, 14.8576



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.



38.0526, 30.4653, 14.2311



50.0990, 36.7170, 11.8533



48.1499, 50.6598, 17.5968



13.3365, 13.6124, 13.6501



18.3052, 10.8960, 1.1383



1.2563, 0.8468, 0.0972

Inverse Universe

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



34.1781, 41.6158, 71.8766



43.8753, 54.0778, 102.7333



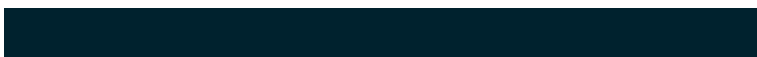
24.2465, 21.7525, 68.5661



13.1364, 14.2126, 16.7031



15.2028, 18.2750, 42.4646



1.0542, 1.3225, 2.7741

Previews

White Background



This preview shows how the XYZ color 38.0519, 30.4637, 14.2305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 38.0519, 30.4637, 14.2305 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0519, 30.4637, 14.2305

Background



This preview shows how black text looks on a background with the XYZ color 38.0519, 30.4637, 14.2305.



This preview shows how white text looks on a background with the XYZ color 38.0519, 30.4637,

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

38.0519, 30.4637, 14.2305

Protanopia

28.4588, 30.5785, 17.2343

Deuteranopia

31.3472, 30.7520, 13.9564



Tritanopia

40.3818, 30.5021, 24.8782

Trichromacy



Original Color

38.0519, 30.4637, 14.2305

Protanomaly

31.3054, 30.0179, 15.9484

Deuteranomaly

33.3397, 30.2488, 13.9789

Tritanomaly

39.5073, 30.5103, 20.6364

Monochromacy



Original Color

38.0519, 30.4637, 14.2305

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.9429, 29.6334, 24.8578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0519, 30.4637, 14.2305 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(217, 126, 93)` looks like.

```
.text, #text, p{  
    color:rgb(217, 126, 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(217, 126, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 126, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.0519, 30.4637, 14.2305 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(217, 126, 93) }
```


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

```
.border{ border-color:rgb(217, 126, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 126, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 126, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 126, 93);  
box-shadow:4px 4px 4px 4px rgb(217, 126,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0519, 30.4637, 14.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 126, 93) }
```

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

```
.background{ background-color: rgb(217,  
126, 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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