

Converting Colors

XYZ(37.8575, 31.2859, 14.0613)

Have a look what the booklet for
XYZ(37.8575, 31.2859, 14.0613)
contains.

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Color

**XYZ(37.7796, 31.3014,
14.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	D6835C
RGB	214, 131, 92
RGB Percent	84%, 51%, 36%
CMY	0.1608, 0.4863, 0.6392
CMYK	0.00, 0.39, 0.57, 0.16
HSL	19°, 60%, 60%
HSV	19°, 57%, 84%
XYZ	37.7796, 31.3014, 14.1758
YIQ	151.3710, 61.9870, 5.4670

Conversions

Conversions Part 2

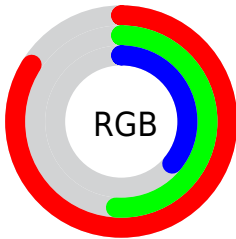
Format	Color
R _Y B	214, 149, 92
Decimal	14058332
CIE Lab	62.76, 28.14, 34.43
CIE LCh	63, 44.467, 50.739
Yxy	31.3014, 0.4538, 0.3760
Android (android.graphics.Color)	4292248412 (0xFFD6835C)
YUV	151.3710, -29.2699, 54.9256
Hunter-Lab	55.9477, 22.6268, 24.1407

Details

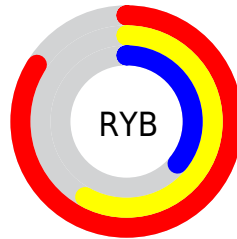
The XYZ color **37.7796, 31.3014, 14.1758** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.8803, 37.7884, 69.2317**, and the grayscale version is **29.6782, 31.2237, 34.0026**.

A 20% lighter version of the original color is **63.5469, 57.9411, 33.8211**, and **16.9337, 13.0429, 4.1076** is the 20% darker color. If you saturate the color by 10%, you get **35.1531, 27.3402, 9.3188**, and if you desaturate by 10%, it is **40.9465, 35.9210, 20.5169**.

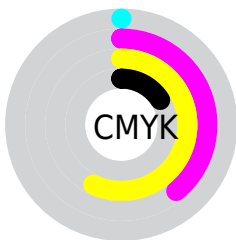
Distribution



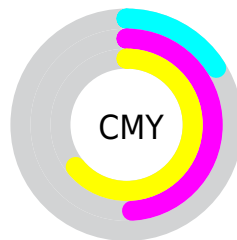
- Red (84%)
- Green (51%)
- Blue (36%)



- Red (84%)
- Yellow (58%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (57%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7796, 31.3014, 14.1758 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 37.7796, 31.3014, 14.1758 by changing the saturation by 10% instead.


 37.7796, 31.3014,
14.1758


 37.7796, 31.3014,
14.1758


327.9708,
307.9245, 229.7881


 25.9881, 20.8285,
8.1029


 71.0763, 61.7143,
34.1222

 16.9474, 12.9987,
4.0721


 93.3122, 82.4230,
48.8329

 10.2921, 7.4276,
1.6650


 119.7603,
107.3125, 67.2598

 5.6568, 3.7309,
0.3366

 150.7859,
136.7671, 89.8216

 2.6762, 1.5242,
0.0000

186.7544,
171.1712, 116.9368

 0.9849, 0.3057,
0.0000

228.0311,

 0.0000, 0.0000,

210.9092, 149.0239

0.0000

274.9815,
256.3655, 186.5015

■ 37.7796, 31.3014,
14.1758

■ 37.7796, 31.3014,
14.1758

■ 35.1531, 27.3402,
9.3188

■ 40.9465, 35.9210,
20.5169

■ 33.0306, 24.0006,
5.8198

■ 44.6826, 41.2237,
28.4504

■ 31.3738, 21.2492,
3.5341

■ 49.0170, 47.2388,
38.0765

■ 30.1342, 19.0455,
2.2717

■ 53.9762, 53.9922,
49.4866

■ 29.8240, 18.4811,
1.9953

■ 59.5849, 61.5087,
62.7655

■ 65.8663, 69.8115,
77.9925

■ 72.8428, 78.9233,
95.2424

■ 79.1863, 88.3259,
107.4828

■ 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



42.0779, 31.3014, 23.5476



37.7796, 31.3014, 14.1758



31.6723, 31.3014, 10.5666

Triad

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



37.7796, 31.3014, 14.1758



19.6402, 31.3014, 28.9728



34.0858, 31.3014, 75.9605

Complementary

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



37.7796, 31.3014, 14.1758



31.8803, 37.7884, 69.2317

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.



27.9091, 31.3014, 78.9560



37.7796, 31.3014, 14.1758



20.1026, 31.3014, 47.3657

Square

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



37.7796, 31.3014, 14.1758



21.5864, 31.3014, 16.9811



22.9490, 31.3014, 67.1330



39.7517, 31.3014, 59.9644

Rectangle

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



37.7796, 31.3014, 14.1758



27.6254, 31.3014, 10.6354



22.9490, 31.3014, 67.1330



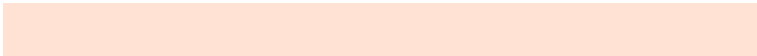
31.9830, 31.3014, 78.6937

Sweetspot

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



37.7804, 31.3030, 14.1764



80.1427, 80.1222, 73.2973



39.3326, 25.0602, 43.5106



16.8178, 16.6947, 14.9064



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.



37.7804, 31.3030, 14.1764



51.6989, 39.7654, 12.8537



48.4325, 52.6072, 17.7271



12.7441, 13.0625, 13.0103



18.1103, 11.3378, 1.2339



1.1662, 0.8315, 0.0990

Inverse Universe

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



31.8803, 37.7884, 69.2317



42.0479, 50.1017, 102.0622



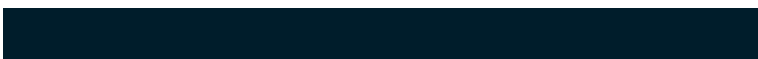
22.6102, 19.2482, 66.1416



12.4419, 13.4071, 15.8696



13.6080, 15.4777, 40.7234



0.8940, 1.0800, 2.4806

Previews

White Background



This preview shows how the XYZ color 37.7796, 31.3014, 14.1758 looks on a white background.

Color Contrast Check

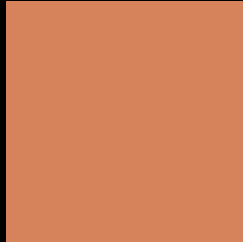
Large Text (above 18pt) WCAG AA × Fail

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 37.7796, 31.3014, 14.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

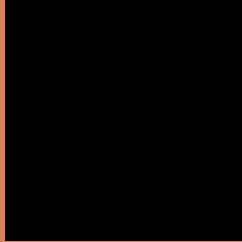
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7796, 31.3014, 14.1758

Background



This preview shows how black text looks on a background with the XYZ color 37.7796, 31.3014, 14.1758.



This preview shows how white text looks on a background with the XYZ color 37.7796, 31.3014,

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

37.7796, 31.3014, 14.1758

Protanopia

29.0455, 31.3759, 16.5819

Deuteranopia

31.9362, 31.2864, 13.8068



Tritanopia

40.4493, 31.4227, 26.8549

Trichromacy



Original Color

37.7796, 31.3014, 14.1758

Protanomaly

31.6594, 30.8769, 15.6005

Deuteranomaly

33.9885, 31.2301, 13.9095

Tritanomaly

39.3678, 31.3692, 21.4327

Monochromacy



Original Color

37.7796, 31.3014, 14.1758

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.4581, 30.5569, 25.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7796, 31.3014, 14.1758 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(214, 131, 92)` looks like.

```
.text, #text, p{  
    color:rgb(214, 131, 92)  
}
```

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(214, 131, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 131, 92) }
```

Border

The CSS property to change the border of an element to XYZ 37.7796, 31.3014, 14.1758 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(214, 131, 92) }
```


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

```
.border{ border-color:rgb(214, 131, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 131, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 131, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 131, 92);  
box-shadow:4px 4px 4px 4px rgb(214, 131,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7796, 31.3014, 14.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 131, 92) }
```

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

```
.background{ background-color: rgb(214,  
131, 92) }
```

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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