

Converting Colors

XYZ(38.1691, 31.2920, 4.0477)

Have a look what the booklet for
XYZ(38.1691, 31.2920, 4.0477)
contains.

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Color

**XYZ(38.2872, 31.3907,
4.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	DF8101
RGB	223, 129, 1
RGB Percent	87%, 51%, 0%
CMY	0.1255, 0.4941, 0.9960
CMYK	0.00, 0.42, 1.00, 0.13
HSL	35°, 99%, 44%
HSV	35°, 100%, 87%
XYZ	38.2872, 31.3907, 4.0698
YIQ	142.5140, 97.1120, -19.8800

Conversions

Conversions Part 2

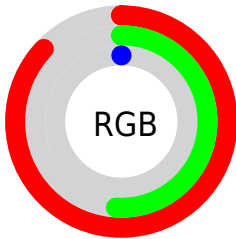
Format	Color
RYB	164, 223, 1
Decimal	14647553
CIELab	62.84, 29.46, 69.05
CIELCh	63, 75.074, 66.898
Yxy	31.3907, 0.5192, 0.4256
Android (android.graphics.Color)	4292837633 (0xFFDF8101)
YUV	142.5140, -69.7664, 70.5862
Hunter-Lab	56.0274, 23.9328, 34.9124

Details

The XYZ color **38.2872, 31.3907, 4.0698** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **17.4243, 13.5192, 71.5026**, and the grayscale version is **26.1580, 27.5202, 29.9695**.

A 20% lighter version of the original color is **59.1053, 55.1708, 13.4951**, and **17.4939, 13.1690, 1.6198** is the 20% darker color. If you saturate the color by 10%, you get **38.2261, 31.2777, 4.0225**, and if you desaturate by 10%, it is **39.7420, 34.0570, 5.3060**.

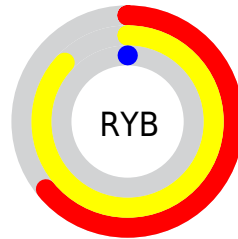
Distribution



Red (87%)

Green (51%)

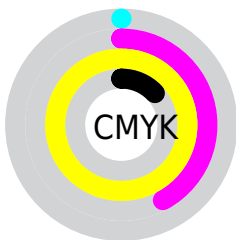
Blue (0%)



Red (64%)

Yellow (87%)

Blue (0%)

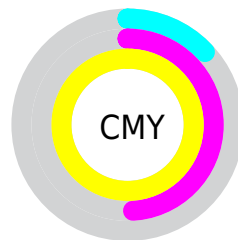


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2872, 31.3907, 4.0698 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 38.2872, 31.3907, 4.0698 by changing the saturation by 10% instead.


 38.2872, 31.3907,
4.0698


 38.2872, 31.3907,
4.0698


330.1100,
308.3342, 148.9981

 26.3839, 20.8965,
1.6637

 71.8492, 61.8547,
14.1704


 17.2452, 13.0484,
0.3357


 94.2386, 82.5933,
22.7020

 10.5059, 7.4619,
0.0000


 120.8541,
107.5155, 34.1126

 5.8005, 3.7526,
0.0000

 152.0610,
137.0057, 48.8206

 2.7636, 1.5362,
0.0000

 188.2246,
171.4482, 67.2446


 1.0300, 0.3140,
0.0000


 229.7105,


 0.0000, 0.0000,


211.2276, 89.8032


0.0000


 276.8838,
256.7281, 116.9148


 38.2872, 31.3907,
4.0698


 38.2872, 31.3907,
4.0698


 38.2261, 31.2777,
4.0225

 39.7420, 34.0570,
5.3060

 41.4895, 37.0276,
7.5050

 43.5852, 40.3309,
10.9419

 46.0632, 43.9847,
15.7819

 48.9522, 48.0049,
22.1644

■ 52.2782, 52.4061,
30.2117

■ 56.0642, 57.2015,
40.0337

■ 60.3316, 62.4035,
51.7308

■ 65.1004, 68.0240,
65.3960

Harmonies

Analogous

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



48.6088, 31.3907, 10.2060



38.2872, 31.3907, 4.0698



27.5235, 31.3907, 3.1494

Triad

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



38.2872, 31.3907, 4.0698



14.1952, 31.3907, 41.4417



43.3530, 31.3907, 102.4202

Complementary

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



38.2872, 31.3907, 4.0698



17.4243, 13.5192, 71.5026

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.



32.2744, 31.3907, 126.8673



38.2872, 31.3907, 4.0698



16.6512, 31.3907, 80.7032

Square

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



38.2872, 31.3907, 4.0698



15.0927, 31.3907, 16.4253



22.7299, 31.3907, 117.2175



51.9717, 31.3907, 61.5647

Rectangle

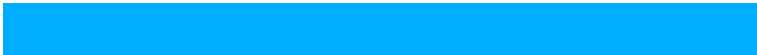
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.2872, 31.3907, 4.0698



21.7541, 31.3907, 4.4656



22.7299, 31.3907, 117.2175



39.7060, 31.3907, 113.6495

Sweetspot

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



38.2879, 31.3924, 4.0704



75.6095, 77.0611, 53.2724



32.6095, 16.5767, 12.8405



15.7043, 15.8926, 10.1429



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.



38.2879, 31.3924, 4.0704



51.6784, 42.1368, 5.4095



52.4617, 66.2161, 10.0450



14.3602, 15.0064, 14.4464



22.5908, 18.6194, 2.4032



1.6540, 1.4668, 0.1960

Inverse Universe

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



17.4243, 13.5192, 71.5026



23.4094, 17.9388, 96.8365



13.5406, 5.4581, 70.1514



13.4267, 14.1925, 17.4194



10.3138, 8.0971, 42.0677



0.8022, 0.7358, 2.9450

Previews

White Background



This preview shows how the XYZ color 38.2872, 31.3907, 4.0698 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 38.2872, 31.3907, 4.0698 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 38.2872, 31.3907, 4.0698

Background



This preview shows how black text looks on a background with the XYZ color 38.2872, 31.3907, 4.0698.



This preview shows how white text looks on a background with the XYZ color 38.2872, 31.3907,

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

38.2872, 31.3907, 4.0698

Protanopia

28.5057, 31.5936, 5.1261

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

42.6738, 31.5119, 24.6021

Trichromacy



Original Color

38.2872, 31.3907, 4.0698

Protanomaly

31.5195, 31.0470, 4.6480

Deuteranomaly

34.1345, 31.3026, 4.2429

Tritanomaly

39.9700, 30.9439, 11.8488

Monochromacy



Original Color

38.2872, 31.3907, 4.0698

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.9901, 27.7029, 13.7695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2872, 31.3907, 4.0698 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(223, 129, 1)` looks like.

```
.text, #text, p{  
    color:rgb(223, 129, 1)  
}
```

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(223, 129, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 129, 1) }
```

Border

The CSS property to change the border of an element to XYZ 38.2872, 31.3907, 4.0698 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(223, 129, 1) }
```


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

```
.border{ border-color:rgb(223, 129, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 129, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 129, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 129, 1);  
box-shadow:4px 4px 4px 4px rgb(223, 129,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2872, 31.3907, 4.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 129, 1) }
```

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

```
.background{ background-color: rgb(223,  
129, 1) }
```

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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