

Converting Colors

XYZ(38.8574, 31.2587, 12.4564)

Have a look what the booklet for
XYZ(38.8574, 31.2587, 12.4564)
contains.

XYZ(38.8346, 31.2941, 12.3811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8346, 31.2941,
12.3811)**

Conversions

Conversions Part 1

Format	Color
Hex	DC8054
RGB	220, 128, 84
RGB Percent	86%, 50%, 33%
CMY	0.1373, 0.4980, 0.6706
CMYK	0.00, 0.42, 0.62, 0.14
HSL	19°, 66%, 60%
HSV	19°, 62%, 86%
XYZ	38.8346, 31.2941, 12.3811
YIQ	150.4920, 68.9560, 5.8200

Conversions

Conversions Part 2

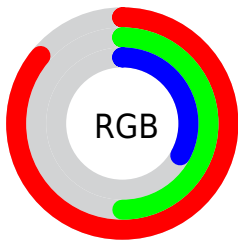
Format	Color
R _Y B	220, 149, 84
Decimal	14450772
CIE Lab	62.76, 31.56, 38.89
CIE LCh	63, 50.084, 50.942
Yxy	31.2941, 0.4707, 0.3793
Android (android.graphics.Color)	4292640852 (0xFFDC8054)
YUV	150.4920, -32.7806, 60.9585
Hunter-Lab	55.9411, 26.0186, 26.0365

Details

The XYZ color **38.8346, 31.2941, 12.3811** 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 **32.0987, 38.1007, 73.3721**, and the grayscale version is **29.3141, 30.8407, 33.5855**.

A 20% lighter version of the original color is **62.3411, 56.4652, 30.5348**, and **17.4850, 12.9149, 3.3215** is the 20% darker color. If you saturate the color by 10%, you get **36.3037, 27.4016, 7.9333**, and if you desaturate by 10%, it is **41.9223, 35.8675, 18.3497**.

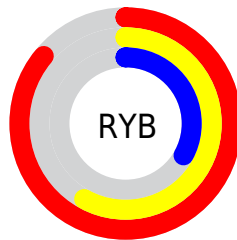
Distribution



Red (86%)

Green (50%)

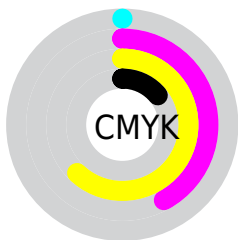
Blue (33%)



Red (86%)

Yellow (58%)

Blue (33%)

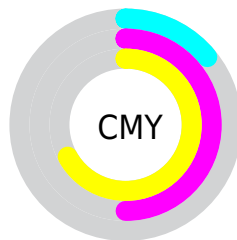


Cyan (0%)

Magenta (42%)

Yellow (62%)

Black (14%)



Cyan (14%)


Magenta (50%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8346, 31.2941, 12.3811 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 38.8346, 31.2941, 12.3811 by changing the saturation by 10% instead.


 38.8346, 31.2941,
12.3811


 38.8346, 31.2941,
12.3811


332.4061,
307.8910, 217.9789


 26.8112, 20.8229,
6.8781


 72.6813, 61.7028,
30.8620

 17.5674, 12.9946,
3.3087


 95.2353, 82.4091,
44.6771

 10.7376, 7.4248,
1.2543


 122.0302,
107.2959, 62.0998

 5.9567, 3.7292,
0.0239

 153.4314,
136.7476, 83.5489

 2.8592, 1.5233,
0.0000

 189.8042,
171.1485, 109.4428

 1.0797, 0.3050,
0.0000

231.5140,

 0.0081, 0.0000,

210.8831, 140.2001

0.0000

278.9262,
256.3358, 176.2393

■ 0.0000, 0.0000,
0.0000

■ 38.8346, 31.2941,
12.3811

■ 38.8346, 31.2941,
12.3811

■ 36.3037, 27.4016,
7.9333

■ 41.9223, 35.8675,
18.3497

■ 34.2886, 24.1498,
4.8618

■ 45.5989, 41.1492,
25.9619

■ 32.7453, 21.5013,
2.9967

■ 49.8968, 47.1710,
35.3298

■ 31.7801, 19.7456,
2.1363

■ 54.8450, 53.9610,
46.5553

■ 60.4705, 61.5460,
59.7322

■ 66.7988, 69.9514,
74.9479

■ 73.8541, 79.2012,
92.2847

■ 80.8434, 88.9924,
107.5241

■ 83.3250, 93.9555,
108.3513

Harmonies

Analogous

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



43.8117, 31.2941, 22.2959



38.8346, 31.2941, 12.3811



31.8652, 31.2941, 8.7556

Triad

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



38.8346, 31.2941, 12.3811



18.5453, 31.2941, 28.4763



34.7023, 31.2941, 82.8108

Complementary

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



38.8346, 31.2941, 12.3811



32.0987, 38.1007, 73.3721

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.



27.7193, 31.2941, 86.5173



38.8346, 31.2941, 12.3811



19.0650, 31.2941, 49.4054

Square

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



38.8346, 31.2941, 12.3811



20.6476, 31.2941, 15.4102



22.1960, 31.2941, 72.5381



41.1830, 31.2941, 63.7807

Rectangle

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



38.8346, 31.2941, 12.3811



27.3144, 31.2941, 8.8429



22.1960, 31.2941, 72.5381



32.3138, 31.2941, 86.1170

Sweetspot

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



38.8353, 31.2957, 12.3817



78.6291, 78.1062, 69.6753



40.6146, 24.7281, 44.1926



16.3671, 16.0900, 13.8417



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.



38.8353, 31.2957, 12.3817



49.8679, 36.9282, 9.7003



50.6453, 54.9157, 16.3183



13.3983, 13.7360, 13.6707



18.7415, 11.7687, 1.2838



1.2910, 0.9160, 0.1088

Inverse Universe

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



32.0987, 38.1007, 73.3721



39.5959, 46.9465, 101.5824



22.0361, 17.9755, 70.0179



13.0712, 14.0822, 16.6814



13.9771, 15.8236, 42.0560



0.9824, 1.1790, 2.7502

Previews

White Background



This preview shows how the XYZ color 38.8346, 31.2941, 12.3811 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 38.8346, 31.2941, 12.3811 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 38.8346, 31.2941, 12.3811

Background



This preview shows how black text looks on a background with the XYZ color 38.8346, 31.2941, 12.3811.



This preview shows how white text looks on a background with the XYZ color 38.8346, 31.2941,

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

38.8346, 31.2941, 12.3811

Protanopia

28.9299, 31.3538, 14.8830

Deuteranopia

32.0669, 31.3948, 11.9591



Tritanopia

41.4877, 31.2457, 25.3171

Trichromacy



Original Color

38.8346, 31.2941, 12.3811

Protanomaly

31.9176, 30.8222, 13.9399

Deuteranomaly

34.2710, 31.2014, 12.0008

Tritanomaly

40.3691, 31.1598, 19.8063

Monochromacy



Original Color

38.8346, 31.2941, 12.3811

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.1181, 29.9663, 23.8826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8346, 31.2941, 12.3811 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(220, 128, 84)` looks like.

```
.text, #text, p{  
    color:rgb(220, 128, 84)  
}
```

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(220, 128, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 128, 84) }
```

Border

The CSS property to change the border of an element to XYZ 38.8346, 31.2941, 12.3811 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(220, 128, 84) }
```


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

```
.border{ border-color:rgb(220, 128, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 128, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 128, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 128, 84);  
box-shadow:4px 4px 4px 4px rgb(220, 128,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8346, 31.2941, 12.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 128, 84) }
```

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

```
.background{ background-color: rgb(220,  
128, 84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor