

# Converting Colors

XYZ(39.7919, 33.0015, 11.8621)

Have a look what the booklet for  
XYZ(39.7919, 33.0015, 11.8621)  
contains.

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# Color

**XYZ(39.7919, 33.0015,  
11.8621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD8650
RGB	221, 134, 80
RGB Percent	87%, 53%, 31%
CMY	0.1333, 0.4745, 0.6863
CMYK	0.00, 0.39, 0.64, 0.13
HSL	23°, 67%, 59%
HSV	23°, 64%, 87%
XYZ	39.7919, 33.0015, 11.8621
YIQ	153.8570, 69.1860, 1.6500

# Conversions

## Conversions Part 2

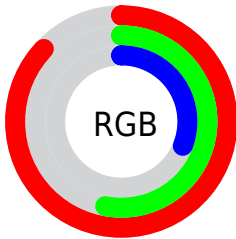
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">221, 168, 80</a>
Decimal	<a href="#">14517840</a>
CIELab	<a href="#">64.16, 28.52, 42.69</a>
CIElCh	<a href="#">64, 51.339, 56.257</a>
Yxy	<a href="#">33.0015, 0.4700, 0.3898</a>
Android (android.graphics.Color)	<a href="#">4292707920 (0xFFDD8650)</a>
YUV	<a href="#">153.8570, -36.4115, 58.8844</a>
Hunter-Lab	<a href="#">57.4469, 23.1099, 27.9702</a>

# Details

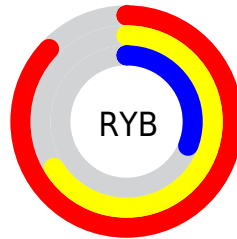
The XYZ color **39.7919, 33.0015, 11.8621** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **30.1774, 34.5617, 73.4870**, and the grayscale version is **30.7866, 32.3899, 35.2726**.

A 20% lighter version of the original color is **63.3200, 58.8651, 29.4975**, and **18.0519, 13.8679, 3.0918** is the 20% darker color. If you saturate the color by 10%, you get **37.3411, 29.1989, 7.6578**, and if you desaturate by 10%, it is **42.7558, 37.4009, 17.5625**.

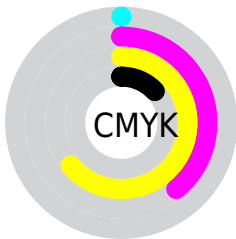
# Distribution



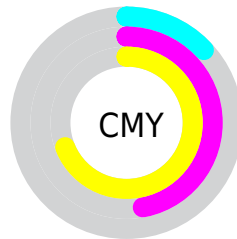
- Red (87%)
- Green (53%)
- Blue (31%)



- Red (87%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (13%)




- Cyan (13%)
- Magenta (47%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7919, 33.0015, 11.8621 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 39.7919, 33.0015, 11.8621 by changing the saturation by 10% instead.





 39.7919, 33.0015,  
11.8621


 39.7919, 33.0015,  
11.8621


336.3952,  
315.6565, 214.4356

 27.5598, 22.1276,  
6.5284


 74.1329, 64.3779,  
29.9043


 18.1329, 13.9507,  
3.0951


 96.9725, 85.6491,  
43.4500


 11.1457, 8.0864,  
1.1434


 124.0786,  
111.1550, 60.5701

 6.2329, 4.1503,  
0.0000

 155.8167,  
141.2797, 81.6831

 3.0292, 1.7580,  
0.0000

 192.5520,  
176.4079, 107.2076

 1.1692, 0.4608,  
0.0000

234.6500,

 0.0819, 0.0000,

216.9238, 137.5622

0.0000

282.4759,  
263.2119, 173.1654

■ 0.0000, 0.0000,  
0.0000

■ 39.7919, 33.0015,  
11.8621

■ 39.7919, 33.0015,  
11.8621

■ 37.3411, 29.1989,  
7.6578

■ 42.7558, 37.4009,  
17.5625

■ 35.3643, 25.9586,  
4.7998

■ 46.2629, 42.4190,  
24.8851

■ 33.8191, 23.2493,  
3.1100

■ 50.3434, 48.0826,  
33.9448

■ 33.0394, 21.8135,  
2.4691

■ 55.0245, 54.4151,  
44.8453

■ 60.3314, 61.4387,  
57.6822

■ 66.2877, 69.1746,  
72.5443

■ 72.9160, 77.6430,  
89.5149

■ 79.9459, 86.7465,  
107.1379

■ 83.6287, 94.1121,  
108.3655

# Harmonies

## Analogous

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



45.6509, 33.0015, 20.9701



39.7919, 33.0015, 11.8621



32.2886, 33.0015, 8.9567

# Triad

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



39.7919, 33.0015, 11.8621



19.3815, 33.0015, 33.3818



37.9678, 33.0015, 85.1348

# Complementary

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



39.7919, 33.0015, 11.8621



30.1774, 34.5617, 73.4870

# 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.



30.4630, 33.0015, 92.5301



39.7919, 33.0015, 11.8621



20.4246, 33.0015, 56.7180

# Square

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



39.7919, 33.0015, 11.8621



21.1180, 33.0015, 17.9644



24.2239, 33.0015, 80.5730



44.4887, 33.0015, 63.0802



# Rectangle

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



39.7919, 33.0015, 11.8621



27.6134, 33.0015, 9.5705



24.2239, 33.0015, 80.5730



35.4461, 33.0015, 89.7118

# Sweetspot

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



39.7927, 33.0032, 11.8627



79.4017, 79.6514, 69.9328



39.8772, 23.9856, 40.2121



16.5521, 16.4600, 13.9033



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.



39.7927, 33.0032, 11.8627



50.5254, 38.5823, 8.8744



52.4342, 58.2863, 16.0766



13.4628, 13.8650, 13.6922



19.2947, 12.8750, 1.4682



1.3318, 0.9977, 0.1224



# Inverse Universe

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



30.1774, 34.5617, 73.4870



36.1129, 40.6989, 100.5601



20.8026, 15.8121, 70.3620



13.0042, 13.9482, 16.6590



12.8377, 13.5449, 41.6762

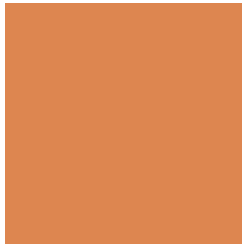


0.9140, 1.0422, 2.7274



# Previews

## White Background



This preview shows how the XYZ color 39.7919, 33.0015, 11.8621 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 39.7919, 33.0015, 11.8621 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 39.7919, 33.0015, 11.8621**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7919, 33.0015, 11.8621.



This preview shows how white text looks on a background with the XYZ color 39.7919, 33.0015,



# 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

39.7919, 33.0015, 11.8621

### Protanopia

30.4445, 33.1394, 14.0245

### Deuteranopia

33.8252, 33.2372, 11.6538



## Tritanopia

43.1561, 32.9924, 27.7605

# Trichromacy



## Original Color

39.7919, 33.0015, 11.8621

## Protanomaly

33.2159, 32.6545, 13.1466

## Deuteranomaly

35.9770, 33.1931, 11.7184

## Tritanomaly

41.8755, 33.0735, 20.6997

# Monochromacy



## Original Color

39.7919, 33.0015, 11.8621

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

32.6246, 31.8647, 24.5097

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7919, 33.0015, 11.8621 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(221, 134, 80)` looks like.

```
.text, #text, p{  
    color:rgb(221, 134, 80)  
}
```

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(221, 134, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 134, 80) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7919, 33.0015, 11.8621 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(221, 134, 80) }
```



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

```
.border{ border-color:rgb(221, 134, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 134, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 134, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 134, 80);  
box-shadow:4px 4px 4px 4px rgb(221, 134,  
80) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7919, 33.0015, 11.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 134, 80) }
```

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

```
.background{ background-color: rgb(221,  
134, 80) }
```

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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