

# Converting Colors

XYZ(37.4011, 31.9062, 5.5538)

Have a look what the booklet for  
XYZ(37.4011, 31.9062, 5.5538)  
contains.

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# Color

**XYZ(37.4011, 31.9062,  
5.5538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D98620
RGB	217, 134, 32
RGB Percent	85%, 53%, 13%
CMY	0.1490, 0.4745, 0.8745
CMYK	0.00, 0.38, 0.85, 0.15
HSL	33°, 74%, 49%
HSV	33°, 85%, 85%
XYZ	37.4011, 31.9062, 5.5538
YIQ	147.1890, 82.2100, -14.1260

# Conversions

## Conversions Part 2

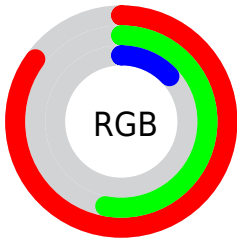
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 217, 32
Decimal	14255648
CIE <sub>Lab</sub>	63.27, 24.74, 62.49
CIE <sub>LCh</sub>	63, 67.210, 68.405
Yxy	31.9062, 0.4996, 0.4262
Android (android.graphics.Color)	4292445728 (0xFFD98620)
YUV	147.1890, -56.7882, 61.2242
Hunter-Lab	56.4856, 19.3414, 33.7104

# Details

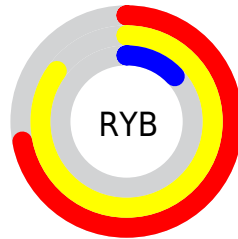
The XYZ color **37.4011, 31.9062, 5.5538** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.2506, 17.5778, 68.0234**, and the grayscale version is **28.0164, 29.4754, 32.0987**.

A 20% lighter version of the original color is **60.7306, 57.4888, 16.9124**, and **16.8806, 13.4086, 1.6984** is the 20% darker color. If you saturate the color by 10%, you get **35.9132, 29.2576, 4.0504**, and if you desaturate by 10%, it is **39.2081, 34.8835, 8.1205**.

# Distribution



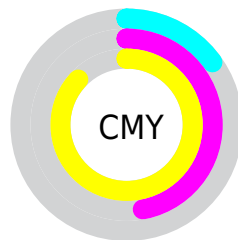
- Red (85%)
- Green (53%)
- Blue (13%)



- Red (72%)
- Yellow (85%)
- Blue (13%)



- Cyan (0%)
- Magenta (38%)
- Yellow (85%)
- Black (15%)




- Cyan (15%)
- Magenta (47%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4011, 31.9062, 5.5538 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 37.4011, 31.9062, 5.5538 by changing the saturation by 10% instead.





 37.4011, 31.9062,  
5.5538


 37.4011, 31.9062,  
5.5538


326.3693,  
310.6917, 164.1854

 25.6933, 21.2899,  
2.5114


 70.4991, 62.6640,  
17.4589

 16.7258, 13.3360,  
0.8462


 92.6200, 83.5743,  
27.1586


 10.1333, 7.6604,  
0.0000


 118.9426,  
108.6846, 39.9145

 5.5504, 3.8784,  
0.0000

 149.8323,  
138.3795, 56.1451

 2.6117, 1.6058,  
0.0000

 185.6545,  
173.0432, 76.2690

 0.9519, 0.3615,  
0.0000

 226.7745,

 0.0000, 0.0000,

213.0603, 100.7046

0.0000

273.5576,  
258.8150, 129.8706

■ 37.4011, 31.9062,  
5.5538

■ 37.4011, 31.9062,  
5.5538

■ 35.9132, 29.2576,  
4.0504

■ 39.2081, 34.8835,  
8.1205

■ 35.2893, 28.1001,  
3.5639

■ 41.3684, 38.2039,  
11.9232

■ 43.9124, 41.8862,  
17.1053

■ 46.8665, 45.9455,  
23.7895

■ 50.2539, 50.3958,  
32.0851

■ 54.0962, 55.2502,  
42.0909

■ 58.4130, 60.5207,  
53.8978

■ 63.2229, 66.2192,  
67.5901

■ 68.5433, 72.3566,  
83.2469

# Harmonies

## Analogous

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



46.6235, 31.9062, 11.6370



37.4011, 31.9062, 5.5538



27.7845, 31.9062, 4.7037

# Triad

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



37.4011, 31.9062, 5.5538



15.8432, 31.9062, 42.7836



42.8575, 31.9062, 92.3735

# Complementary

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



37.4011, 31.9062, 5.5538



19.2506, 17.5778, 68.0234

# 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.



33.0177, 31.9062, 114.1132



37.4011, 31.9062, 5.5538



18.3522, 31.9062, 77.2986

# Square

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



37.4011, 31.9062, 5.5538



16.5435, 31.9062, 19.0847



24.2044, 31.9062, 107.5112



50.1956, 31.9062, 57.2250



# Rectangle

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



37.4011, 31.9062, 5.5538



22.5843, 31.9062, 6.3467



24.2044, 31.9062, 107.5112



39.6608, 31.9062, 102.1393

# Sweetspot

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



37.4018, 31.9079, 5.5544



77.3873, 78.9102, 59.1260



32.2408, 17.0285, 17.8834



16.1384, 16.3566, 11.5336



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.



37.4018, 31.9079, 5.5544



50.7061, 40.1923, 5.0854



51.0155, 63.1033, 10.8582



13.6482, 14.2358, 13.7540



21.4694, 17.2244, 2.1931



1.4765, 1.2870, 0.1706



# Inverse Universe

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



19.2506, 17.5778, 68.0234



24.1124, 19.3449, 97.0708



13.9656, 6.5197, 66.1675



12.8172, 13.5742, 16.5967



10.2912, 8.4518, 40.8274



0.7519, 0.7179, 2.6734



# Previews

## White Background



This preview shows how the XYZ color 37.4011, 31.9062, 5.5538 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 37.4011, 31.9062, 5.5538 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 37.4011, 31.9062, 5.5538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4011, 31.9062, 5.5538.



This preview shows how white text looks on a background with the XYZ color 37.4011, 31.9062,



# 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

37.4011, 31.9062, 5.5538

### Protanopia

29.1231, 32.1290, 6.4168

### Deuteranopia

32.7025, 32.0973, 5.3915



## Tritanopia

41.7609, 31.9181, 26.5140

# Trichromacy



## Original Color

37.4011, 31.9062, 5.5538

## Protanomaly

31.7234, 31.8076, 6.0576

## Deuteranomaly

34.2397, 31.9864, 5.4680

## Tritanomaly

39.3920, 31.5171, 15.3165

# Monochromacy



## Original Color

37.4011, 31.9062, 5.5538

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

29.2361, 29.1366, 17.4476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4011, 31.9062, 5.5538 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, 134, 32)` looks like.

```
.text, #text, p{  
    color:rgb(217, 134, 32)  
}
```

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, 134, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 134, 32) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4011, 31.9062, 5.5538 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, 134, 32) }
```



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

```
.border{ border-color:rgb(217, 134, 32) }
```

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

Here you see how a box with a 4 pixel rgb(217, 134, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 134, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 134, 32);  
box-shadow:4px 4px 4px 4px rgb(217, 134,  
32) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4011, 31.9062, 5.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 134, 32) }
```

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

```
.background{ background-color: rgb(217,  
134, 32) }
```

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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