

Converting Colors

XYZ(37.4211, 32.3866, 5.6455)

Have a look what the booklet for
XYZ(37.4211, 32.3866, 5.6455)
contains.

XYZ(37.3838, 32.3115, 5.6329)	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(37.3838, 32.3115,
5.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	D88820
RGB	216, 136, 32
RGB Percent	85%, 53%, 13%
CMY	0.1529, 0.4666, 0.8745
CMYK	0.00, 0.37, 0.85, 0.15
HSL	34°, 74%, 49%
HSV	34°, 85%, 85%
XYZ	37.3838, 32.3115, 5.6329
YIQ	148.0640, 81.0640, -15.3840

Conversions

Conversions Part 2

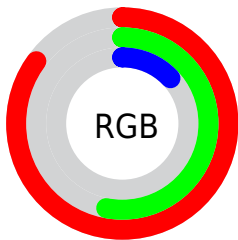
Format	Color
RYB	174, 216, 32
Decimal	14190624
CIELab	63.60, 23.24, 62.72
CIELCh	64, 66.885, 69.669
Yxy	32.3115, 0.4963, 0.4289
Android (android.graphics.Color)	4292380704 (0xFFD88820)
YUV	148.0640, -57.2196, 59.5799
Hunter-Lab	56.8432, 17.9176, 33.9149

Details

The XYZ color **37.3838, 32.3115, 5.6329** 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 **18.7843, 16.8528, 67.2283**, and the grayscale version is **28.3836, 29.8618, 32.5195**.

A 20% lighter version of the original color is **61.1990, 58.3598, 17.2715**, and **16.8454, 13.6241, 1.7419** is the 20% darker color. If you saturate the color by 10%, you get **35.9155, 29.7012, 4.1388**, and if you desaturate by 10%, it is **39.1615, 35.2338, 8.1783**.

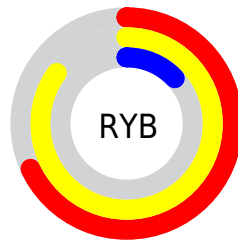
Distribution



Red (85%)

Green (53%)

Blue (13%)



Red (68%)

Yellow (85%)

Blue (13%)

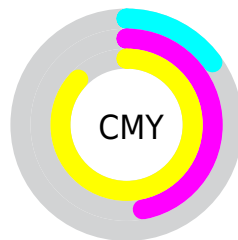


Cyan (0%)

Magenta (37%)

Yellow (85%)

Black (15%)



Cyan (15%)


Magenta (47%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3838, 32.3115, 5.6329 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 37.3838, 32.3115, 5.6329 by changing the saturation by 10% instead.


 37.3838, 32.3115,
5.6329


 37.3838, 32.3115,
5.6329


326.2959,
312.5358, 164.9393


 25.6798, 21.5995,
2.5580

 70.4727, 63.2991,
17.6284

 16.7157, 13.5629,
0.8707


 92.5883, 84.3435,
27.3860


 10.1260, 7.8173,
0.0000


 118.9052,
109.6009, 40.2084

 5.5455, 3.9783,
0.0000

 149.7887,
139.4556, 56.5140

 2.6088, 1.6614,
0.0000

 185.6042,
174.2921, 76.7213

 0.9504, 0.3985,
0.0000

 226.7169,

 0.0000, 0.0000,

214.4947, 101.2490

0.0000

273.4924,
260.4478, 130.5154

■ 37.3838, 32.3115,
5.6329

■ 37.3838, 32.3115,
5.6329

■ 35.9155, 29.7012,
4.1388

■ 39.1615, 35.2338,
8.1783

■ 35.2896, 28.5405,
3.6489

■ 41.2818, 38.4817,
11.9452

■ 43.7747, 42.0731,
17.0752

■ 46.6658, 46.0223,
23.6894

■ 49.9779, 50.3428,
31.8955

■ 53.7319, 55.0468,
41.7913

■ 57.9471, 60.1460,
53.4663

■ 62.6416, 65.6513,
67.0040

■ 67.8323, 71.5733,
82.4822

Harmonies

Analogous

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



46.7147, 32.3115, 11.5022



37.3838, 32.3115, 5.6329



27.7923, 32.3115, 4.9345

Triad

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



37.3838, 32.3115, 5.6329



16.1901, 32.3115, 44.5471



43.6622, 32.3115, 91.4873

Complementary

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



37.3838, 32.3115, 5.6329



18.7843, 16.8528, 67.2283

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.



33.8274, 32.3115, 114.1523



37.3838, 32.3115, 5.6329



18.8567, 32.3115, 79.2915

Square

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



37.3838, 32.3115, 5.6329



16.7604, 32.3115, 20.1650



24.8838, 32.3115, 108.8153



50.8191, 32.3115, 56.2511

Rectangle

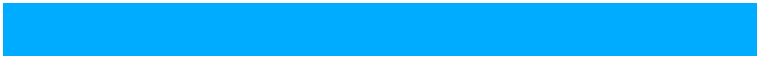
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3838, 32.3115, 5.6329



22.6511, 32.3115, 6.7421



24.8838, 32.3115, 108.8153



40.4868, 32.3115, 101.4748

Sweetspot

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



37.3845, 32.3132, 5.6335



77.6369, 79.4093, 59.2092



31.9185, 16.8654, 17.7331



16.1976, 16.4749, 11.5534



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.



37.3845, 32.3132, 5.6335



51.2340, 41.2479, 5.2613



50.4927, 62.4523, 10.7601



12.9999, 13.5739, 13.0956



20.9971, 17.1115, 2.1962



1.3481, 1.1954, 0.1597

Inverse Universe

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



18.7843, 16.8528, 67.2283



23.7195, 18.5591, 96.9398



13.8338, 6.4667, 65.4845



12.1823, 12.8880, 15.7831



9.8038, 7.8694, 39.4554



0.6728, 0.6376, 2.4069

Previews

White Background



This preview shows how the XYZ color 37.3838, 32.3115, 5.6329 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 37.3838, 32.3115, 5.6329 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 37.3838, 32.3115, 5.6329

Background



This preview shows how black text looks on a background with the XYZ color 37.3838, 32.3115, 5.6329.



This preview shows how white text looks on a background with the XYZ color 37.3838, 32.3115,

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

37.3838, 32.3115, 5.6329

Protanopia

29.5108, 32.5749, 6.4825

Deuteranopia

32.9710, 32.2345, 5.4614



Tritanopia

41.8521, 32.3285, 27.3267

Trichromacy



Original Color

37.3838, 32.3115, 5.6329

Protanomaly

31.8795, 32.1200, 6.1097

Deuteranomaly

34.5112, 32.1264, 5.4807

Tritanomaly

39.4007, 31.9072, 15.6373

Monochromacy



Original Color

37.3838, 32.3115, 5.6329

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.8084, 29.8714, 17.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3838, 32.3115, 5.6329 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(216, 136, 32)` looks like.

```
.text, #text, p{  
    color:rgb(216, 136, 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(216, 136, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 136, 32) }
```

Border

The CSS property to change the border of an element to XYZ 37.3838, 32.3115, 5.6329 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(216, 136, 32) }
```


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

```
.border{ border-color:rgb(216, 136, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 136, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 136, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 136, 32);  
box-shadow:4px 4px 4px 4px rgb(216, 136,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3838, 32.3115, 5.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 136, 32) }
```

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

```
.background{ background-color: rgb(216,  
136, 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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