

# Converting Colors

XYZ(37.6326, 31.9804, 14.9479)

Have a look what the booklet for  
XYZ(37.6326, 31.9804, 14.9479)  
contains.

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# Color

**XYZ(37.5935, 32.0031,  
15.0223)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3875F
RGB	211, 135, 95
RGB Percent	83%, 53%, 37%
CMY	0.1726, 0.4706, 0.6274
CMYK	0.00, 0.36, 0.55, 0.17
HSL	21°, 57%, 60%
HSV	21°, 55%, 83%
XYZ	37.5935, 32.0031, 15.0223
YIQ	153.1640, 58.1360, 3.6720

# Conversions

## Conversions Part 2

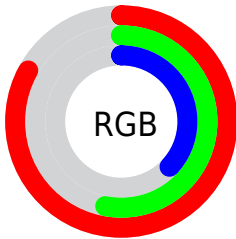
Format	Color
<a href="#">RYB</a>	211, 156, 95
Decimal	13862751
CIELab	63.35, 25.02, 33.46
CIElCh	63, 41.777, 53.213
Yxy	32.0031, 0.4443, 0.3782
Android (android.graphics.Color)	4292052831 (0xFFD3875F)
YUV	153.1640, -28.6749, 50.7222
Hunter-Lab	56.5713, 19.6194, 23.8557

# Details

The XYZ color **37.5935, 32.0031, 15.0223** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **31.0392, 36.2600, 66.9906**, and the grayscale version is **30.4538, 32.0397, 34.8913**.

A 20% lighter version of the original color is **64.6259, 59.7305, 35.3171**, and **16.9189, 13.4827, 4.5070** is the 20% darker color. If you saturate the color by 10%, you get **34.9562, 28.0612, 10.0351**, and if you desaturate by 10%, it is **40.7426, 36.5530, 21.4620**.

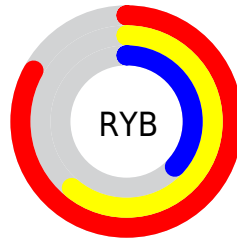
# Distribution



Red (83%)

Green (53%)

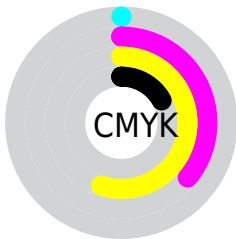
Blue (37%)



Red (83%)

Yellow (61%)

Blue (37%)

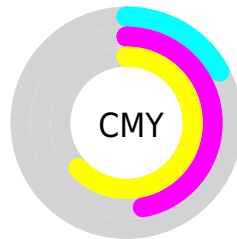


Cyan (0%)

Magenta (36%)

Yellow (55%)

Black (17%)



Cyan (17%)

Magenta (47%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5935, 32.0031, 15.0223 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 37.5935, 32.0031, 15.0223 by changing the saturation by 10% instead.





 37.5935, 32.0031,  
15.0223


 37.5935, 32.0031,  
15.0223


327.1841,  
311.1334, 235.1466


 25.8431, 21.3639,  
8.6882


 70.7926, 62.8159,  
35.6352


 16.8384, 13.3902,  
4.4444


 92.9720, 83.7584,  
50.7510

 10.2139, 7.6978,  
1.8722


 119.3584,  
108.9039, 69.6313

 5.6044, 3.9022,  
0.4749

 150.3173,  
138.6371, 92.6944

 2.6444, 1.6190,  
0.0000

186.2140,  
173.3422, 120.3589

 0.9686, 0.3704,  
0.0000

227.4137,

 0.0000, 0.0000,

213.4037, 153.0434

0.0000

274.2820,  
259.2060, 191.1665

■ 37.5935, 32.0031,  
15.0223

■ 37.5935, 32.0031,  
15.0223

■ 34.9562, 28.0612,  
10.0351

■ 40.7426, 36.5530,  
21.4620

■ 32.7972, 24.6946,  
6.3822

■ 44.4292, 41.7318,  
29.4561

■ 31.0821, 21.8747,  
3.9294

■ 48.6801, 47.5653,  
39.0992

■ 29.7697, 19.5675,  
2.5125

■ 53.5194, 54.0762,  
50.4779

■ 29.2312, 18.5835,  
2.0463

■ 58.9697, 61.2861,  
63.6725

■ 65.0523, 69.2156,  
78.7586

■ 71.7877, 77.8845,  
95.8071

■ 77.7454, 86.7319,  
107.2511

■ 80.6738, 92.5888,  
108.2272

# Harmonies

## Analogous

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



41.8557, 32.0031, 23.7170



37.5935, 32.0031, 15.0223



31.7545, 32.0031, 11.7869

# Triad

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



37.5935, 32.0031, 15.0223



20.6375, 32.0031, 31.2075



35.0264, 32.0031, 73.1904

# Complementary

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



37.5935, 32.0031, 15.0223



31.0392, 36.2600, 66.9906

# 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.



29.1195, 32.0031, 77.1306



37.5935, 32.0031, 15.0223



21.2805, 32.0031, 49.0038

# Square

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



37.5935, 32.0031, 15.0223



22.3357, 32.0031, 19.0114



24.2191, 32.0031, 67.1752



40.2469, 32.0031, 57.6728



# Rectangle

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



37.5935, 32.0031, 15.0223



27.9407, 32.0031, 12.0911



24.2191, 32.0031, 67.1752



33.0376, 32.0031, 76.0801

# Sweetspot

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



37.5943, 32.0047, 15.0229



81.2211, 81.7612, 75.2530



38.4346, 25.0249, 42.0024



17.0424, 17.0421, 15.2957



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.



37.5943, 32.0047, 15.0229



53.0341, 42.1153, 14.2866



47.7059, 52.2280, 18.3935



12.1373, 12.4654, 12.3784



17.7276, 11.3882, 1.2638



1.0645, 0.7833, 0.0951



# Inverse Universe

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



31.0392, 36.2600, 66.9906



41.9092, 49.1451, 101.8849



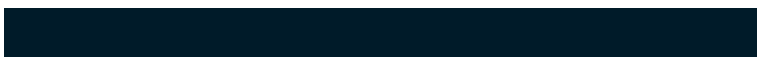
22.5324, 19.2463, 64.1550



11.8008, 12.6920, 15.0715



12.6997, 14.0459, 39.2343

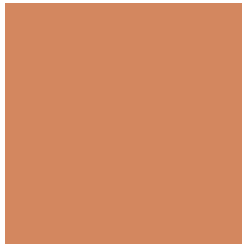


0.7825, 0.9302, 2.2179



# Previews

## White Background



This preview shows how the XYZ color 37.5935, 32.0031, 15.0223 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 37.5935, 32.0031, 15.0223 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 37.5935, 32.0031, 15.0223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5935, 32.0031, 15.0223.



This preview shows how white text looks on a background with the XYZ color 37.5935, 32.0031,



# 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

37.5935, 32.0031, 15.0223

### Protanopia

29.8902, 32.2860, 17.2268

### Deuteranopia

32.6592, 32.0969, 14.8299



## Tritanopia

40.2420, 31.8607, 28.4548

# Trichromacy



## Original Color

37.5935, 32.0031, 15.0223

## Protanomaly

32.2143, 31.8356, 16.2514

## Deuteranomaly

34.3485, 32.0552, 14.9666

## Tritanomaly

39.1320, 31.8088, 22.8161

# Monochromacy



## Original Color

37.5935, 32.0031, 15.0223

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.8993, 31.2224, 26.1750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5935, 32.0031, 15.0223 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(211, 135, 95)` looks like.

```
.text, #text, p{  
    color:rgb(211, 135, 95)  
}
```

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(211, 135, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 135, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5935, 32.0031, 15.0223 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(211, 135, 95) }
```



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

```
.border{ border-color:rgb(211, 135, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 135, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 135, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 135, 95);  
box-shadow:4px 4px 4px 4px rgb(211, 135,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5935, 32.0031, 15.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 135, 95) }
```

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

```
.background{ background-color: rgb(211,  
135, 95) }
```

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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