

Converting Colors

XYZ(37.8264, 36.6121, 15.8286)

Have a look what the booklet for
XYZ(37.8264, 36.6121, 15.8286)
contains.

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Color

**XYZ(37.8743, 36.6864,
15.9115)**

Conversions

Conversions Part 1

Format	Color
Hex	C99B5F
RGB	201, 155, 95
RGB Percent	79%, 61%, 37%
CMY	0.2118, 0.3921, 0.6274
CMYK	0.00, 0.23, 0.53, 0.21
HSL	34°, 50%, 58%
HSV	34°, 53%, 79%
XYZ	37.8743, 36.6864, 15.9115
YIQ	161.9140, 46.6760, -8.9080

Conversions

Conversions Part 2

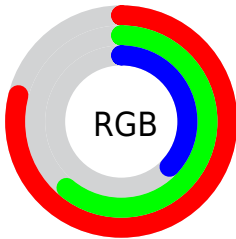
Format	Color
RYB	176, 201, 95
Decimal	13212511
CIELab	67.04, 10.00, 37.83
CIElCh	67, 39.129, 75.193
Yxy	36.6864, 0.4186, 0.4055
Android (android.graphics.Color)	4291402591 (0xFFC99B5F)
YUV	161.9140, -32.9886, 34.2784
Hunter-Lab	60.5693, 5.6207, 26.8231

Details

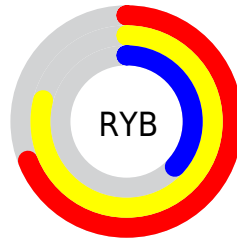
The XYZ color **37.8743, 36.6864, 15.9115** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.7864, 25.6987, 58.9121**, and the grayscale version is **34.4375, 36.2309, 39.4554**.

A 20% lighter version of the original color is **69.3069, 68.9675, 37.2630**, and **16.9650, 16.0352, 4.8903** is the 20% darker color. If you saturate the color by 10%, you get **35.6766, 33.5694, 11.2382**, and if you desaturate by 10%, it is **40.4144, 40.1109, 21.8625**.

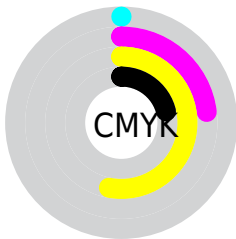
Distribution



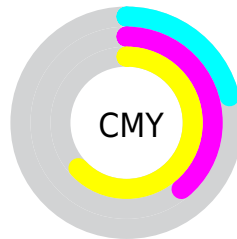
- Red (79%)
- Green (61%)
- Blue (37%)



- Red (69%)
- Yellow (79%)
- Blue (37%)



- Cyan (0%)
- Magenta (23%)
- Yellow (53%)
- Black (21%)





- Cyan (21%)
- Magenta (39%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8743, 36.6864, 15.9115 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 37.8743, 36.6864, 15.9115 by changing the saturation by 10% instead.


 37.8743, 36.6864,
15.9115


 37.8743, 36.6864,
15.9115


328.3706,
331.9508, 240.6468

 26.0619, 24.9648,
9.3079

 71.2206, 70.0902,
37.2091


 17.0029, 16.0508,
4.8430


 93.4852, 92.5412,
52.7402

 10.3319, 9.5601,
2.0983


 119.9646,
119.3374, 72.0843

 5.6835, 5.1083,
0.6148

 151.0241,
150.8632, 95.6597

 2.6924, 2.3109,
0.0000

187.0291,
187.5031, 123.8851

 0.9933, 0.7795,
0.0000

228.3449,

 0.0000, 0.0000,

229.6414, 157.1791

0.0000

275.3370,
277.6625, 195.9601

■ 37.8743, 36.6864,
15.9115

■ 37.8743, 36.6864,
15.9115

■ 35.6766, 33.5694,
11.2382

■ 40.4144, 40.1109,
21.8625

■ 33.7979, 30.7429,
7.7422

■ 43.3128, 43.8486,
29.1771

■ 32.2155, 28.1954,
5.3113

■ 46.5877, 47.9113,
37.9358

■ 30.9014, 25.9122,
3.8101

■ 50.2549, 52.3087,
48.2125

■ 30.0801, 24.4030,
3.1249

■ 54.3292, 57.0498,
60.0760

■ 58.8248, 62.1433,
73.5906

■ 63.7549, 67.5975,
88.8173

■ 69.0029, 73.3687,
105.1325

■ 71.4183, 78.1994,
105.9376

Harmonies

Analogous

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



43.5650, 36.6864, 20.9236



37.8743, 36.6864, 15.9115



31.9575, 36.6864, 15.9424

Triad

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



37.8743, 36.6864, 15.9115



24.9568, 36.6864, 49.1574



43.6281, 36.6864, 67.7559

Complementary

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



37.8743, 36.6864, 15.9115



24.7864, 25.6987, 58.9121

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.



37.9529, 36.6864, 80.6198



37.8743, 36.6864, 15.9115



27.4153, 36.6864, 67.9777

Square

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



37.8743, 36.6864, 15.9115



24.9409, 36.6864, 32.1462



32.0276, 36.6864, 80.7109



47.1347, 36.6864, 48.9135

Rectangle

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



37.8743, 36.6864, 15.9115



28.6852, 36.6864, 18.7135



32.0276, 36.6864, 80.7109



41.8839, 36.6864, 73.1321

Sweetspot

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



37.8752, 36.6882, 15.9122



83.7732, 86.8653, 76.1037



33.1150, 22.5764, 28.4803



17.6490, 18.2552, 15.4979



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.



37.8752, 36.6882, 15.9122



60.6860, 56.8942, 18.4554



45.6392, 54.2950, 18.9015



11.1237, 11.6166, 11.2187



19.0058, 15.5287, 1.9956



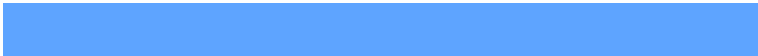
0.9710, 0.8774, 0.1182

Inverse Universe

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



24.7864, 25.6987, 58.9121



35.9881, 36.1903, 99.6964



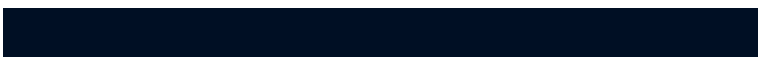
19.9239, 15.1284, 57.1281



10.4289, 11.0319, 13.4972



8.8703, 7.1346, 35.6540



0.4917, 0.4812, 1.7121

Previews

White Background



This preview shows how the XYZ color 37.8743, 36.6864, 15.9115 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 37.8743, 36.6864, 15.9115 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 37.8743, 36.6864, 15.9115

Background



This preview shows how black text looks on a background with the XYZ color 37.8743, 36.6864, 15.9115.



This preview shows how white text looks on a background with the XYZ color 37.8743, 36.6864,

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

37.8743, 36.6864, 15.9115

Protanopia

33.8922, 36.6599, 16.8450

Deuteranopia

37.5072, 36.7453, 15.9422



Tritanopia

42.1453, 36.4925, 37.6233

Trichromacy



Original Color

37.8743, 36.6864, 15.9115

Protanomaly

35.2220, 36.5695, 16.5115

Deuteranomaly

37.7734, 36.8825, 15.9546

Tritanomaly

40.2521, 36.4276, 28.2023

Monochromacy



Original Color

37.8743, 36.6864, 15.9115

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.8901, 35.8614, 29.1278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8743, 36.6864, 15.9115 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(201, 155, 95)` looks like.

```
.text, #text, p{  
    color:rgb(201, 155, 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(201, 155, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 155, 95) }
```

Border

The CSS property to change the border of an element to XYZ 37.8743, 36.6864, 15.9115 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(201, 155, 95) }
```


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

```
.border{ border-color:rgb(201, 155, 95) }
```

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

Here you see how a box with a 4 pixel rgb(201, 155, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 155, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 155, 95);  
box-shadow:4px 4px 4px 4px rgb(201, 155,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8743, 36.6864, 15.9115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 155, 95) }
```

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

```
.background{ background-color: rgb(201,  
155, 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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