

Converting Colors

XYZ(37.9879, 33.4800, 15.7625)

Have a look what the booklet for
XYZ(37.9879, 33.4800, 15.7625)
contains.

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Color

**XYZ(37.9770, 33.4681,
15.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	D18D61
RGB	209, 141, 97
RGB Percent	82%, 55%, 38%
CMY	0.1804, 0.4470, 0.6196
CMYK	0.00, 0.33, 0.54, 0.18
HSL	24°, 55%, 60%
HSV	24°, 54%, 82%
XYZ	37.9770, 33.4681, 15.7676
YIQ	156.3160, 54.6520, 0.7320

Conversions

Conversions Part 2

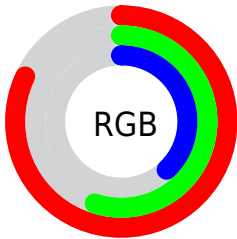
Format	Color
RYB	209, 169, 97
Decimal	13733217
CIELab	64.54, 21.12, 33.83
CIELCh	65, 39.884, 58.024
Yxy	33.4681, 0.4355, 0.3838
Android (android.graphics.Color)	4291923297 (0xFFD18D61)
YUV	156.3160, -29.2428, 46.2039
Hunter-Lab	57.8516, 15.9369, 24.3365

Details

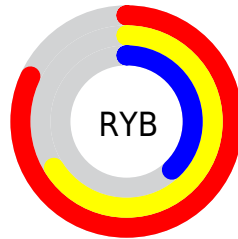
The XYZ color **37.9770, 33.4681, 15.7676** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.8927, 34.0534, 65.3188**, and the grayscale version is **31.8514, 33.5101, 36.4925**.

A 20% lighter version of the original color is **66.1004, 62.4283, 36.5830**, and **16.9730, 14.1134, 4.7353** is the 20% darker color. If you saturate the color by 10%, you get **35.3630, 29.5997, 10.7054**, and if you desaturate by 10%, it is **41.0637, 37.8712, 22.2544**.

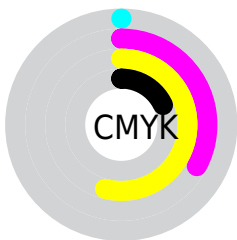
Distribution



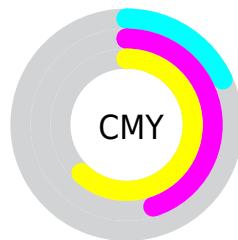
- Red (82%)
- Green (55%)
- Blue (38%)



- Red (82%)
- Yellow (66%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (54%)
- Black (18%)



- Cyan (18%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9770, 33.4681, 15.7676 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 37.9770, 33.4681, 15.7676 by changing the saturation by 10% instead.


 37.9770, 33.4681,
15.7676


 37.9770, 33.4681,
15.7676


328.8039,
317.7538, 239.7651


 26.1420, 22.4853,
9.2073


 71.3770, 65.1057,
36.9554


 17.0631, 14.2139,
4.7780


 93.6727, 86.5292,
52.4200

 10.3751, 8.2696,
2.0611


 120.1860,
112.2018, 71.6898

 5.7125, 4.2679,
0.5925

 151.2822,
142.5077, 95.1833

 2.7101, 1.8245,
0.0000

187.3268,
177.8315, 123.3190

 1.0024, 0.5024,
0.0000

228.6850,

 0.0000, 0.0000,

218.5575, 156.5155

0.0000

275.7222,
265.0702, 195.1914

■ 37.9770, 33.4681,
15.7676

■ 37.9770, 33.4681,
15.7676

■ 35.3630, 29.5997,
10.7054

■ 41.0637, 37.8712,
22.2544

■ 33.1915, 26.2384,
6.9549

■ 44.6459, 42.8252,
30.2630

■ 31.4318, 23.3612,
4.3888

■ 48.7477, 48.3514,
39.8843

■ 30.0471, 20.9403,
2.8527

■ 53.3907, 54.4686,
51.2013

■ 29.3204, 19.6074,
2.2392

■ 58.5954, 61.1946,
64.2913

■ 64.3808, 68.5463,
79.2269

■ 70.7654, 76.5402,
96.0765

■ 76.2492, 84.5848,
106.9155

■ 80.1044, 92.2952,
108.2006

Harmonies

Analogous

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



42.5038, 33.4681, 23.5891



37.9770, 33.4681, 15.7676



32.1899, 33.4681, 13.2056

Triad

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



37.9770, 33.4681, 15.7676



22.0628, 33.4681, 35.3692



37.2450, 33.4681, 71.7818

Complementary

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



37.9770, 33.4681, 15.7676



29.8927, 34.0534, 65.3188

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.



31.4339, 33.4681, 77.6932



37.9770, 33.4681, 15.7676



23.0803, 33.4681, 53.2751

Square

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



37.9770, 33.4681, 15.7676



23.3868, 33.4681, 22.2137



26.3504, 33.4681, 70.0942



42.0469, 33.4681, 55.7269

Rectangle

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



37.9770, 33.4681, 15.7676



28.5371, 33.4681, 13.9946



26.3504, 33.4681, 70.0942



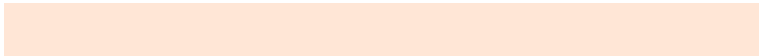
35.3250, 33.4681, 75.1987

Sweetspot

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



37.9778, 33.4698, 15.7682



81.7641, 82.8472, 75.4340



37.4583, 24.8605, 38.9329



17.1711, 17.2994, 15.3386



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.



37.9778, 33.4698, 15.7682



55.0384, 45.7799, 16.0150



48.1769, 53.8680, 19.1679



12.1843, 12.5593, 12.3940



18.1680, 12.2689, 1.4106



1.0922, 0.8388, 0.1043

Inverse Universe

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



29.8927, 34.0534, 65.3188



41.0480, 46.6936, 101.4570



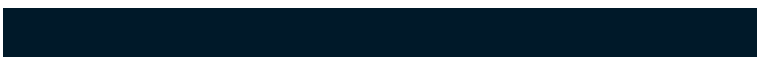
22.0217, 18.3114, 62.6951



11.7523, 12.5948, 15.0553



11.8644, 12.3754, 38.9559



0.7395, 0.8442, 2.2035

Previews

White Background



This preview shows how the XYZ color 37.9770, 33.4681, 15.7676 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 37.9770, 33.4681, 15.7676 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 37.9770, 33.4681, 15.7676

Background



This preview shows how black text looks on a background with the XYZ color 37.9770, 33.4681, 15.7676.



This preview shows how white text looks on a background with the XYZ color 37.9770, 33.4681,

15.7676.

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

37.9770, 33.4681, 15.7676

Protanopia

31.0827, 33.6393, 17.6868

Deuteranopia

34.2071, 33.5861, 15.5063



Tritanopia

41.2154, 33.5184, 31.0855

Trichromacy



Original Color

37.9770, 33.4681, 15.7676

Protanomaly

33.1827, 33.2631, 16.9834

Deuteranomaly

35.5710, 33.5823, 15.6736

Tritanomaly

39.9933, 33.4469, 24.7701

Monochromacy



Original Color

37.9770, 33.4681, 15.7676

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.1190, 32.9964, 27.5451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9770, 33.4681, 15.7676 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(209, 141, 97)` looks like.

```
.text, #text, p{  
    color:rgb(209, 141, 97)  
}
```

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(209, 141, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 141, 97) }
```

Border

The CSS property to change the border of an element to XYZ 37.9770, 33.4681, 15.7676 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(209, 141, 97) }
```


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

```
.border{ border-color:rgb(209, 141, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 141, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 141, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 141, 97);  
box-shadow:4px 4px 4px 4px rgb(209, 141,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9770, 33.4681, 15.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 141, 97) }
```

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

```
.background{ background-color: rgb(209,  
141, 97) }
```

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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