

Converting Colors

XYZ(32.7568, 37.3516, 16.0294)

Have a look what the booklet for
XYZ(32.7568, 37.3516, 16.0294)
contains.

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Color

**XYZ(32.8176, 37.4713,
16.0927)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA85E
RGB	171, 168, 94
RGB Percent	67%, 66%, 37%
CMY	0.3294, 0.3412, 0.6314
CMYK	0.00, 0.02, 0.45, 0.33
HSL	58°, 31%, 52%
HSV	58°, 45%, 67%
XYZ	32.8176, 37.4713, 16.0927
YIQ	160.4610, 25.5420, -22.3780

Conversions

Conversions Part 2

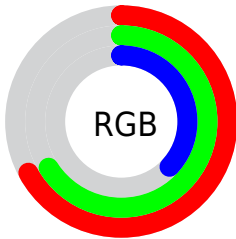
Format	Color
RYB	97, 171, 94
Decimal	11249758
CIELab	67.63, -9.70, 38.44
CIELCh	68, 39.649, 104.157
Yxy	37.4713, 0.3799, 0.4338
Android (android.graphics.Color)	4289439838 (0xFFABA85E)
YUV	160.4610, -32.7653, 9.2427
Hunter-Lab	61.2138, -11.4277, 27.2627

Details

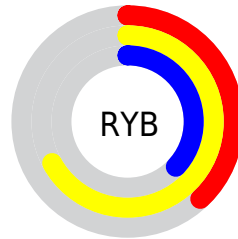
The XYZ color **32.8176, 37.4713, 16.0927** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2415, 13.8690, 40.3490**, and the grayscale version is **33.7658, 35.5242, 38.6859**.

A 20% lighter version of the original color is **63.5709, 71.3447, 37.6145**, and **14.0552, 16.4622, 4.9193** is the 20% darker color. If you saturate the color by 10%, you get **32.0116, 36.9542, 12.4488**, and if you desaturate by 10%, it is **33.7960, 38.0611, 20.6337**.

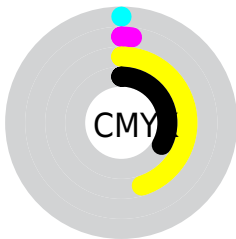
Distribution



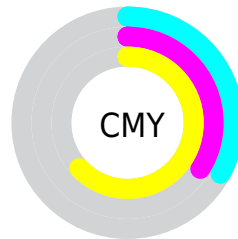
- Red (67%)
- Green (66%)
- Blue (37%)



- Red (38%)
- Yellow (67%)
- Blue (37%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (34%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8176, 37.4713, 16.0927 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 32.8176, 37.4713, 16.0927 by changing the saturation by 10% instead.


 32.8176, 37.4713,
16.0927


 32.8176, 37.4713,
16.0927


306.5066,
335.3465, 241.7525

 22.1453, 25.5726,
9.4347


 63.4472, 71.2971,
37.5281

 14.0809, 16.5042,
4.9251


 84.1353, 93.9929,
53.1426

 8.2590, 9.8816,
2.1454


 108.8927,
121.0566, 72.5796

 4.3143, 5.3205,
0.6426

 138.0847,
152.8725, 96.2578

 1.8815, 2.4365,
0.0000

172.0768,
189.8251, 124.5956

 0.5660, 0.8446,
0.0000

211.2342,

 0.0000, 0.0000,

232.2987, 158.0117

0.0000

255.9223,
280.6777, 196.9244

■ 32.8176, 37.4713,
16.0927

■ 32.8176, 37.4713,
16.0927

■ 32.0116, 36.9542,
12.4488

■ 33.7960, 38.0611,
20.6337

■ 31.3640, 36.5002,
9.6398

■ 34.9546, 38.7225,
26.1238

■ 30.8630, 36.1057,
7.5994


■ 36.3035, 39.4611,
32.6137


■ 30.4938, 35.7651,
6.2503


■ 37.8518, 40.2805,
40.1501


■ 30.2383, 35.4709,
5.4970

■ 39.6076, 41.1839,
48.7763

 30.1323, 35.3333,
5.2319

 41.5789, 42.1745,
58.5337

 43.7729, 43.2552,
69.4611

 46.1967, 44.4288,
81.5957

 48.8571, 45.6981,
94.9729

Harmonies

Analogous

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



38.9210, 37.4713, 16.2309



32.8176, 37.4713, 16.0927



28.0397, 37.4713, 21.1033

Triad

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



32.8176, 37.4713, 16.0927



27.8317, 37.4713, 69.0249



48.1597, 37.4713, 50.6955

Complementary

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



32.8176, 37.4713, 16.0927



16.2415, 13.8690, 40.3490

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.



44.4456, 37.4713, 70.0239



32.8176, 37.4713, 16.0927



32.5023, 37.4713, 82.4996

Square

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



32.8176, 37.4713, 16.0927



25.3921, 37.4713, 49.5979



38.5677, 37.4713, 82.9102



48.2692, 37.4713, 33.1091

Rectangle

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



32.8176, 37.4713, 16.0927



26.0509, 37.4713, 27.8167



38.5677, 37.4713, 82.9102



47.2739, 37.4713, 57.3003

Sweetspot

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



32.8185, 37.4730, 16.0935



65.2212, 70.7822, 59.3945



22.9951, 17.5428, 13.6928



14.4235, 15.7195, 12.6592



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.8185, 37.4730, 16.0935



57.3408, 66.1896, 22.3373



26.7938, 35.1977, 15.9718



8.6356, 9.2760, 8.5487



22.7246, 26.6546, 3.9471



0.6402, 0.7576, 0.1125

Inverse Universe

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



16.2415, 13.8690, 40.3490



23.8777, 18.5490, 71.3237



20.3539, 15.5859, 40.4637



7.6030, 7.8053, 10.0586



5.6049, 2.3436, 29.2015



0.1638, 0.0810, 0.8150

Previews

White Background



This preview shows how the XYZ color 32.8176, 37.4713, 16.0927 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 32.8176, 37.4713, 16.0927 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 32.8176, 37.4713, 16.0927

Background



This preview shows how black text looks on a background with the XYZ color 32.8176, 37.4713, 16.0927.



This preview shows how white text looks on a background with the XYZ color 32.8176, 37.4713,

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

32.8176, 37.4713, 16.0927

Protanopia

34.4870, 37.5243, 15.7812

Deuteranopia

38.0341, 37.2564, 16.4958



Tritanopia

38.4349, 37.3585, 44.2149

Trichromacy



Original Color

32.8176, 37.4713, 16.0927

Protanomaly

33.7435, 37.4099, 15.7983

Deuteranomaly

35.8425, 37.1531, 16.3485

Tritanomaly

35.8589, 37.0844, 31.6536

Monochromacy



Original Color

32.8176, 37.4713, 16.0927

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8510, 35.8645, 28.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8176, 37.4713, 16.0927 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(171, 168, 94)` looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 94)  
}
```

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(171, 168, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 94) }
```

Border

The CSS property to change the border of an element to XYZ 32.8176, 37.4713, 16.0927 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(171, 168, 94) }
```


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

```
.border{ border-color:rgb(171, 168, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 168, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 168, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 168, 94);  
box-shadow:4px 4px 4px 4px rgb(171, 168,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8176, 37.4713, 16.0927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 94) }
```

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

```
.background{ background-color: rgb(171,  
168, 94) }
```

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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