

Converting Colors

XYZ(32.7719, 37.9720, 17.0830)

Have a look what the booklet for
XYZ(32.7719, 37.9720, 17.0830)
contains.

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Color

**XYZ(32.7278, 37.9561,
17.1566)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AA62
RGB	168, 170, 98
RGB Percent	66%, 67%, 38%
CMY	0.3412, 0.3333, 0.6157
CMYK	0.01, 0.00, 0.42, 0.33
HSL	62°, 30%, 53%
HSV	62°, 42%, 67%
XYZ	32.7278, 37.9561, 17.1566
YIQ	161.1940, 21.9200, -22.8160

Conversions

Conversions Part 2

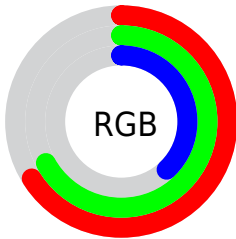
Format	Color
RYB	98, 170, 100
Decimal	11053666
CIELab	67.99, -11.57, 36.78
CIELCh	68, 38.559, 107.454
Yxy	37.9561, 0.3726, 0.4321
Android (android.graphics.Color)	4289243746 (0xFFA8AA62)
YUV	161.1940, -31.1546, 5.9689
Hunter-Lab	61.6085, -12.9918, 26.6150

Details

The XYZ color **32.7278, 37.9561, 17.1566** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8802, 14.3479, 39.9121**, and the grayscale version is **34.1006, 35.8764, 39.0695**.

A 20% lighter version of the original color is **63.1707, 71.8997, 39.4027**, and **13.9722, 16.7560, 5.4036** is the 20% darker color. If you saturate the color by 10%, you get **31.9087, 37.6182, 13.3642**, and if you desaturate by 10%, it is **33.7196, 38.3658, 21.8485**.

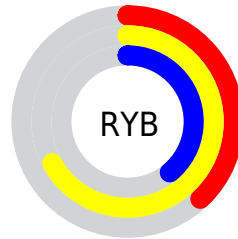
Distribution



Red (66%)

Green (67%)

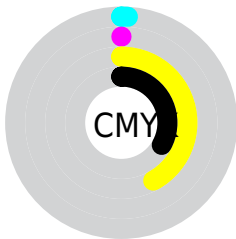
Blue (38%)



Red (38%)

Yellow (67%)

Blue (39%)

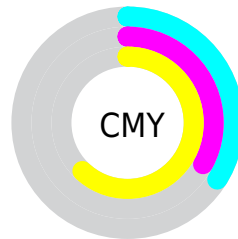


Cyan (1%)

Magenta (0%)

Yellow (42%)

Black (33%)



Cyan (34%)


Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7278, 37.9561, 17.1566 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 32.7278, 37.9561, 17.1566 by changing the saturation by 10% instead.


 32.7278, 37.9561,
17.1566


 32.7278, 37.9561,
17.1566


306.1081,
337.4316, 248.1476

 22.0762, 25.9486,
10.1831


 63.3079, 72.0408,
39.3892

 14.0298, 16.7852,
5.4133


 83.9671, 94.8869,
55.4853

 8.2233, 10.0815,
2.4288

 108.6928,
122.1146, 75.4593

 4.2911, 5.4530,
0.8021

 137.8506,
154.1083, 99.7299

 1.8681, 2.5154,
0.0000

171.8056,
191.2525, 128.7154

 0.5582, 0.8843,
0.0000

210.9233,

 0.0000, 0.0000,

233.9315, 162.8345

0.0000

255.5690,
282.5298, 202.5058

■ 32.7278, 37.9561,
17.1566

■ 32.7278, 37.9561,
17.1566

■ 31.9087, 37.6182,
13.3642

■ 33.7196, 38.3658,
21.8485

■ 31.2487, 37.3426,
10.4115

■ 34.8913, 38.8462,
27.4900

■ 30.7365, 37.1262,
8.2355

■ 36.2530, 39.4027,
34.1299

■ 30.3583, 36.9634,
6.7629

■ 37.8133, 40.0385,
41.8135

■ 30.0975, 36.8476,
5.9068

■ 39.5801, 40.7571,
50.5829

■ 29.9493, 36.7796,
5.5207

■ 41.5611, 41.5614,
60.4781

■ 43.7634, 42.4542,
71.5371

■ 46.1940, 43.4384,
83.7959

■ 48.8593, 44.5165,
97.2892

Harmonies

Analogous

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



38.6385, 37.9561, 16.7526



32.7278, 37.9561, 17.1566



28.2324, 37.9561, 22.7827

Triad

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



32.7278, 37.9561, 17.1566



28.8294, 37.9561, 70.7338



48.5387, 37.9561, 48.9216

Complementary

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



32.7278, 37.9561, 17.1566



16.8802, 14.3479, 39.9121

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.



45.2527, 37.9561, 67.9113



32.7278, 37.9561, 17.1566



33.6297, 37.9561, 82.6549

Square

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



32.7278, 37.9561, 17.1566



26.1589, 37.9561, 52.0420



39.6454, 37.9561, 81.4986



48.2280, 37.9561, 32.1952

Rectangle

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



32.7278, 37.9561, 17.1566



26.4426, 37.9561, 29.9180



39.6454, 37.9561, 81.4986



47.8042, 37.9561, 55.3221

Sweetspot

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



32.7287, 37.9578, 17.1574



65.5413, 71.3931, 60.7835



23.2642, 18.3904, 13.8793



14.4918, 15.8703, 12.9476



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.



32.7287, 37.9578, 17.1574



57.9494, 68.2744, 24.5093



26.2221, 34.6035, 16.8529



8.1259, 8.7630, 8.0524



22.0380, 27.0582, 4.0612



0.5424, 0.6615, 0.0991

Inverse Universe

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



16.8802, 14.3479, 39.9121



25.2659, 19.5760, 71.4488



21.6484, 16.8060, 40.1353



7.1504, 7.3101, 9.4525



5.3889, 2.1615, 28.1087



0.1370, 0.0556, 0.6842

Previews

White Background



This preview shows how the XYZ color 32.7278, 37.9561, 17.1566 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 32.7278, 37.9561, 17.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

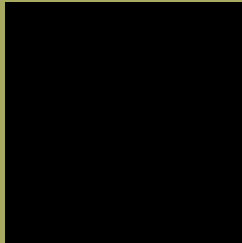
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7278, 37.9561, 17.1566

Background



This preview shows how black text looks on a background with the XYZ color 32.7278, 37.9561, 17.1566.



This preview shows how white text looks on a background with the XYZ color 32.7278, 37.9561,

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

32.7278, 37.9561, 17.1566

Protanopia

34.8036, 37.9407, 16.5553

Deuteranopia

38.6632, 37.8108, 17.5724



Tritanopia

38.5163, 37.8928, 45.3284

Trichromacy



Original Color

32.7278, 37.9561, 17.1566

Protanomaly

33.8809, 37.7306, 16.8063

Deuteranomaly

36.2068, 37.5796, 17.4019

Tritanomaly

35.9193, 37.6249, 32.5633

Monochromacy



Original Color

32.7278, 37.9561, 17.1566

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.1727, 36.2784, 29.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7278, 37.9561, 17.1566 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(168, 170, 98)` looks like.

```
.text, #text, p{  
    color:rgb(168, 170, 98)  
}
```

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(168, 170, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 170, 98) }
```

Border

The CSS property to change the border of an element to XYZ 32.7278, 37.9561, 17.1566 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(168, 170, 98) }
```


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

```
.border{ border-color:rgb(168, 170, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 170, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 170, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 170, 98);  
box-shadow:4px 4px 4px 4px rgb(168, 170,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7278, 37.9561, 17.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 170, 98) }
```

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

```
.background{ background-color: rgb(168,  
170, 98) }
```

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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