

Converting Colors

XYZ(32.2566, 37.8170, 12.4370)

Have a look what the booklet for
XYZ(32.2566, 37.8170, 12.4370)
contains.

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Color

**XYZ(32.2568, 37.8173,
12.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAA4C
RGB	170, 170, 76
RGB Percent	67%, 67%, 30%
CMY	0.3333, 0.3333, 0.7020
CMYK	0.00, 0.00, 0.55, 0.33
HSL	60°, 38%, 48%
HSV	60°, 55%, 67%
XYZ	32.2568, 37.8173, 12.4368
YIQ	159.2840, 30.1740, -29.2340

Conversions

Conversions Part 2

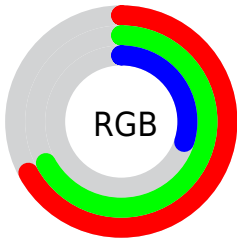
Format	Color
RYB	76, 170, 76
Decimal	11184716
CIELab	67.89, -12.81, 47.59
CIELCh	68, 49.286, 105.068
Yxy	37.8173, 0.3909, 0.4583
Android (android.graphics.Color)	4289374796 (0xFFAAAA4C)
YUV	159.2840, -41.0590, 9.3979
Hunter-Lab	61.4958, -13.9878, 31.0563

Details

The XYZ color **32.2568, 37.8173, 12.4368** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.8218, 9.6085, 39.2113**, and the grayscale version is **33.2581, 34.9901, 38.1042**.

A 20% lighter version of the original color is **62.5000, 71.7398, 30.9751**, and **13.7033, 16.6636, 3.3048** is the 20% darker color. If you saturate the color by 10%, you get **31.7424, 37.6129, 9.7250**, and if you desaturate by 10%, it is **32.9292, 38.0877, 15.9727**.

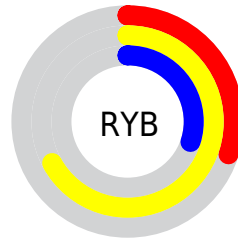
Distribution



Red (67%)

Green (67%)

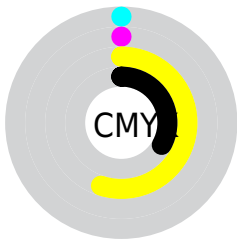
Blue (30%)



Red (30%)

Yellow (67%)

Blue (30%)

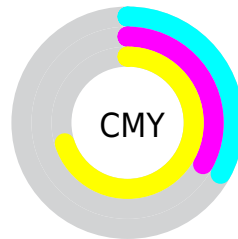


Cyan (0%)

Magenta (0%)

Yellow (55%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2568, 37.8173, 12.4368 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 32.2568, 37.8173, 12.4368 by changing the saturation by 10% instead.

■ 32.2568, 37.8173,
12.4368

■ 32.2568, 37.8173,
12.4368

304.0119,
336.8356, 218.3555

■ 21.7142, 25.8409,
6.9158

■ 62.5759, 71.8280,
30.9644

■ 13.7625, 16.7047,
3.3318

■ 83.0832, 94.6312,
44.8080

■ 8.0363, 10.0242,
1.2665

■ 107.6427,
121.8120, 62.2629

■ 4.1702, 5.4150,
0.0341

■ 136.6199,
153.7549, 83.7477

■ 1.7988, 2.4927,
0.0000

■ 170.3800,
190.8444, 109.6807

■ 0.5170, 0.8730,
0.0000

209.2885,

■ 0.0000, 0.0000,

233.4647, 140.4807

0.0000

253.7107,
282.0003, 176.5661

■ 32.2568, 37.8173,
12.4368

■ 32.2568, 37.8173,
12.4368

■ 31.7424, 37.6129,
9.7250

■ 32.9292, 38.0877,
15.9727

■ 31.3707, 37.4642,
7.7685

■ 33.7681, 38.4233,
20.3895

■ 31.1280, 37.3671,
6.4917

■ 34.7847, 38.8299,
25.7416

■ 30.9962, 37.3143,
5.7985

■ 35.9882, 39.3114,
32.0784

■ 30.9522, 37.2968,
5.5676

■ 37.3875, 39.8711,
39.4458

■ 38.9907, 40.5124,
47.8869

■ 40.8054, 41.2383,
57.4423

■ 42.8391, 42.0518,
68.1504

■ 45.0986, 42.9556,
80.0480

Harmonies

Analogous

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



39.8661, 37.8173, 12.4251



32.2568, 37.8173, 12.4368



26.5102, 37.8173, 18.0274

Triad

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



32.2568, 37.8173, 12.4368



26.5305, 37.8173, 78.7461



52.0992, 37.8173, 53.0035

Complementary

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



32.2568, 37.8173, 12.4368



12.8218, 9.6085, 39.2113

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.



47.3866, 37.8173, 78.6367



32.2568, 37.8173, 12.4368



32.2883, 37.8173, 96.7135

Square

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



32.2568, 37.8173, 12.4368



23.5372, 37.8173, 53.1184



39.9024, 37.8173, 96.6676



52.0875, 37.8173, 31.1738

Rectangle

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



32.2568, 37.8173, 12.4368



24.1950, 37.8173, 25.8587



39.9024, 37.8173, 96.6676



50.9885, 37.8173, 61.5925

Sweetspot

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



32.2577, 37.8190, 12.4376



64.8251, 71.1349, 55.7357



20.4678, 14.2376, 8.5073



14.3589, 15.8244, 11.9170



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.



32.2577, 37.8190, 12.4376



57.4421, 68.1815, 16.8667



23.8491, 33.4842, 12.0441



8.1468, 8.7738, 8.0534



22.7675, 27.4343, 4.0954



0.5539, 0.6675, 0.0996

Inverse Universe

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



12.8218, 9.6085, 39.2113



18.6459, 11.8700, 70.3103



18.0096, 12.2829, 39.4541



7.1319, 7.3006, 9.4516



5.3375, 2.1350, 28.1063



0.1299, 0.0520, 0.6838

Previews

White Background



This preview shows how the XYZ color 32.2568, 37.8173, 12.4368 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 32.2568, 37.8173, 12.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

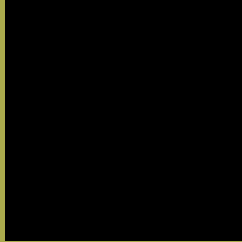
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2568, 37.8173, 12.4368

Background



This preview shows how black text looks on a background with the XYZ color 32.2568, 37.8173, 12.4368.



This preview shows how white text looks on a background with the XYZ color 32.2568, 37.8173,

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

32.2568, 37.8173, 12.4368

Protanopia

34.6734, 37.9708, 12.1582

Deuteranopia

38.3701, 37.5158, 12.6161



Tritanopia

38.8396, 37.8235, 44.2833

Trichromacy



Original Color

32.2568, 37.8173, 12.4368

Protanomaly

33.6791, 37.7291, 12.1640

Deuteranomaly

36.0337, 37.5972, 12.5655

Tritanomaly

35.6953, 37.5872, 29.0406

Monochromacy



Original Color

32.2568, 37.8173, 12.4368

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1639, 35.5659, 25.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2568, 37.8173, 12.4368 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(170, 170, 76)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 76)  
}
```

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(170, 170, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 76) }
```

Border

The CSS property to change the border of an element to XYZ 32.2568, 37.8173, 12.4368 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(170, 170, 76) }
```


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

```
.border{ border-color:rgb(170, 170, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 76);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2568, 37.8173, 12.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 76) }
```

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

```
.background{ background-color: rgb(170,  
170, 76) }
```

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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