

Converting Colors

XYZ(37.6215, 42.5658, 11.4115)

Have a look what the booklet for
XYZ(37.6215, 42.5658, 11.4115)
contains.

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Color

**XYZ(37.6918, 42.6564,
11.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB142
RGB	189, 177, 66
RGB Percent	74%, 69%, 26%
CMY	0.2588, 0.3059, 0.7412
CMYK	0.00, 0.06, 0.65, 0.26
HSL	54°, 48%, 50%
HSV	54°, 65%, 74%
XYZ	37.6918, 42.6564, 11.4012
YIQ	167.9340, 42.7830, -31.9770

Conversions

Conversions Part 2

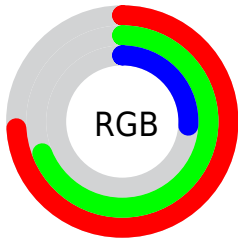
Format	Color
RYB	79, 189, 66
Decimal	12431682
CIELab	71.32, -9.04, 56.29
CIELCh	71, 57.008, 99.124
Yxy	42.6564, 0.4108, 0.4649
Android (android.graphics.Color)	4290621762 (0xFFBDB142)
YUV	167.9340, -50.2535, 18.4749
Hunter-Lab	65.3119, -11.2825, 35.3683

Details

The XYZ color **37.6918, 42.6564, 11.4012** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.1566, 10.2810, 49.3823**, and the grayscale version is **37.4122, 39.3606, 42.8637**.

A 20% lighter version of the original color is **70.8978, 79.0016, 28.9649**, and **16.8548, 19.5750, 2.9187** is the 20% darker color. If you saturate the color by 10%, you get **36.8629, 41.7478, 8.8155**, and if you desaturate by 10%, it is **38.7117, 43.6525, 14.9597**.

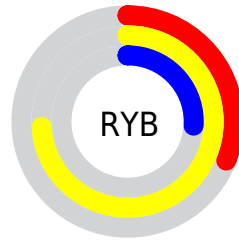
Distribution



Red (74%)

Green (69%)

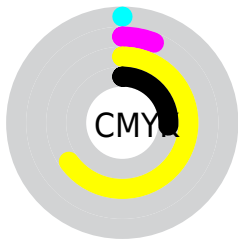
Blue (26%)



Red (31%)

Yellow (74%)

Blue (26%)

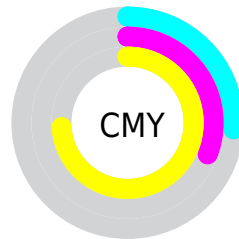


Cyan (0%)

Magenta (6%)

Yellow (65%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6918, 42.6564, 11.4012 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 37.6918, 42.6564, 11.4012 by changing the saturation by 10% instead.

■ 37.6918, 42.6564,
11.4012

■ 37.6918, 42.6564,
11.4012

327.5998,
357.1968, 211.2350

■ 25.9197, 29.6156,
6.2198

■ 70.9425, 79.1921,
29.0476

■ 16.8959, 19.5470,
2.9083

■ 93.1517, 103.4558,
42.3497

■ 10.2552, 12.0662,
1.0480

■ 119.5707,
132.2293, 59.1958

■ 5.6320, 6.7888,
0.0000

■ 150.5649,
165.8969, 80.0044

■ 2.6612, 3.3304,
0.0000

■ 186.4995,
204.8430, 105.1941

■ 0.9772, 1.3065,
0.0000

227.7400,

■ 0.0000, 0.1463,

249.4522, 135.1834

0.0000

274.6516,
300.1086, 170.3909

■ 0.0000, 0.0000,
0.0000

■ 37.6918, 42.6564,
11.4012

■ 37.6918, 42.6564,
11.4012

■ 36.8629, 41.7478,
8.8155

■ 38.7117, 43.6525,
14.9597

■ 36.2030, 40.9131,
7.1003

■ 39.9361, 44.7366,
19.5746

■ 35.6901, 40.1449,
6.1348

■ 41.3804, 45.9166,
25.3235

■ 35.4677, 39.7817,
5.8093

■ 43.0580, 47.1980,
32.2761

■ 44.9810, 48.5854,
40.4962

■ 47.1606, 50.0836,
50.0435

■ 49.6076, 51.6967,
60.9735

■ 52.3319, 53.4288,
73.3390

■ 55.3430, 55.2837,
87.1895

Harmonies

Analogous

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



47.4689, 42.6564, 12.5328



37.6918, 42.6564, 11.4012



29.9945, 42.6564, 16.3612

Triad

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



37.6918, 42.6564, 11.4012



27.8654, 42.6564, 88.3261



60.3077, 42.6564, 67.8971

Complementary

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



37.6918, 42.6564, 11.4012



14.1566, 10.2810, 49.3823

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.



53.3148, 42.6564, 100.5767



37.6918, 42.6564, 11.4012



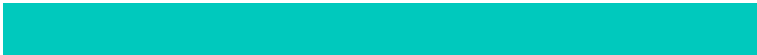
34.3269, 42.6564, 115.2410

Square

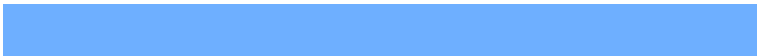
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.6918, 42.6564, 11.4012



24.9388, 42.6564, 55.3248



43.5358, 42.6564, 120.4413



61.5887, 42.6564, 38.5711

Rectangle

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



37.6918, 42.6564, 11.4012



26.6983, 42.6564, 24.2906



43.5358, 42.6564, 120.4413



58.4999, 42.6564, 79.1229

Sweetspot

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



37.6928, 42.6584, 11.4021



78.6996, 85.6899, 64.5210



24.3207, 15.2700, 8.9304



16.7204, 18.2790, 13.0084



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.6928, 42.6584, 11.4021



65.4939, 74.1315, 14.3292



29.9628, 42.3467, 11.7493



10.2406, 10.9571, 10.1518



23.8950, 26.8288, 3.9191



0.9593, 1.0975, 0.1613

Inverse Universe

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



14.1566, 10.2810, 49.3823



20.3128, 12.0573, 87.4829



18.2305, 11.2295, 49.3506



9.0894, 9.3710, 12.0019



6.3570, 2.8256, 32.6033



0.2745, 0.1616, 1.2856

Previews

White Background



This preview shows how the XYZ color 37.6918, 42.6564, 11.4012 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 37.6918, 42.6564, 11.4012 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 37.6918, 42.6564, 11.4012

Background



This preview shows how black text looks on a background with the XYZ color 37.6918, 42.6564, 11.4012.



This preview shows how white text looks on a background with the XYZ color 37.6918, 42.6564,

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

37.6918, 42.6564, 11.4012

Protanopia

38.7898, 42.6437, 11.1876

Deuteranopia

43.3257, 42.4538, 11.5411



Tritanopia

45.3261, 42.6692, 48.4949

Trichromacy



Original Color

37.6918, 42.6564, 11.4012

Protanomaly

38.4718, 42.7698, 11.2287

Deuteranomaly

41.1502, 42.4322, 11.4902

Tritanomaly

41.4678, 42.1865, 30.0020

Monochromacy



Original Color

37.6918, 42.6564, 11.4012

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.5641, 39.9946, 27.2653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6918, 42.6564, 11.4012 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(189, 177, 66)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 66)  
}
```

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(189, 177, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 66) }
```

Border

The CSS property to change the border of an element to XYZ 37.6918, 42.6564, 11.4012 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(189, 177, 66) }
```


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

```
.border{ border-color:rgb(189, 177, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 177, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 177, 66); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 177, 66); box-shadow:4px 4px 4px 4px rgb(189, 177, 66) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6918, 42.6564, 11.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 66) }
```

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

```
.background{ background-color: rgb(189,  
177, 66) }
```

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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