

Converting Colors

XYZ(34.2946, 37.9032, 6.3727)

Have a look what the booklet for
XYZ(34.2946, 37.9032, 6.3727)
contains.

XYZ(34.2946, 37.9032, 6.3727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.2946, 37.9032,
6.3727)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA618
RGB	187, 166, 24
RGB Percent	73%, 65%, 9%
CMY	0.2667, 0.3490, 0.9058
CMYK	0.00, 0.11, 0.87, 0.27
HSL	52°, 77%, 41%
HSV	52°, 87%, 73%
XYZ	34.2946, 37.9032, 6.3727
YIQ	156.0910, 58.0980, -39.7100

Conversions

Conversions Part 2

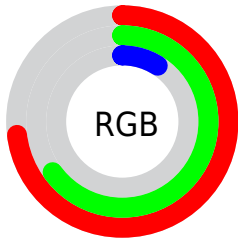
Format	Color
RYB	48, 187, 24
Decimal	12297752
CIELab	67.95, -5.89, 67.09
CIELCh	68, 67.347, 95.019
Yxy	37.9032, 0.4365, 0.4824
Android (android.graphics.Color)	4290487832 (0xFFBBA618)
YUV	156.0910, -65.1209, 27.1072
Hunter-Lab	61.5656, -8.3078, 36.9587

Details

The XYZ color **34.2946, 37.9032, 6.3727** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.2849, 5.6591, 47.5635**, and the grayscale version is **31.9054, 33.5669, 36.5544**.

A 20% lighter version of the original color is **65.8939, 72.1589, 19.2592**, and **15.1840, 16.9286, 2.4673** is the 20% darker color. If you saturate the color by 10%, you get **33.7258, 36.9831, 5.5134**, and if you desaturate by 10%, it is **35.0032, 38.8953, 7.9202**.

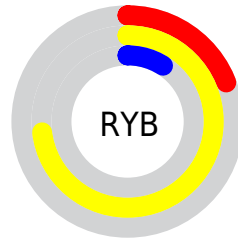
Distribution



Red (73%)

Green (65%)

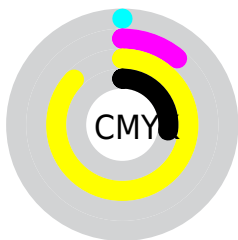
Blue (9%)



Red (19%)

Yellow (73%)

Blue (9%)

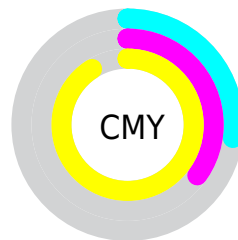


Cyan (0%)

Magenta (11%)

Yellow (87%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2946, 37.9032, 6.3727 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 34.2946, 37.9032, 6.3727 by changing the saturation by 10% instead.


 34.2946, 37.9032,
6.3727


 34.2946, 37.9032,
6.3727


313.0065,
337.2045, 171.7727


 23.2840, 25.9076,
3.0006


 65.7328, 71.9597,
19.1906


 14.9252, 16.7545,
1.0949


 86.8911, 94.7894,
29.4734


 8.8529, 10.0596,
0.0000


 112.1626,
121.9993, 42.8968

 4.7017, 5.4385,
0.0000

 141.9127,
153.9737, 59.8795

 2.1063, 2.5068,
0.0000

 176.5068,
191.0970, 80.8398

 0.6926, 0.8800,
0.0000

 216.3103,

 0.0000, 0.0000,

233.7537, 106.1965

0.0000

261.6884,
282.3280, 136.3679

■ 34.2946, 37.9032,
6.3727

■ 34.2946, 37.9032,
6.3727

■ 33.7258, 36.9831,
5.5134

■ 35.0032, 38.8953,
7.9202

■ 33.5750, 36.7281,
5.3196

■ 35.8761, 39.9648,
10.2959

■ 36.9332, 41.1214,
13.6010

■ 38.1911, 42.3715,
17.9220

■ 39.6642, 43.7211,
23.3352

■ 41.3658, 45.1756,
29.9097

■ 43.3078, 46.7398,
37.7090

■ 45.5016, 48.4183,
46.7918

■ 47.9575, 50.2153,
57.2131

Harmonies

Analogous

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



45.2061, 37.9032, 7.9791



34.2946, 37.9032, 6.3727



25.6718, 37.9032, 9.7856

Triad

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



34.2946, 37.9032, 6.3727



21.9357, 37.9032, 83.9407



57.5081, 37.9032, 70.6930

Complementary

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



34.2946, 37.9032, 6.3727



10.2849, 5.6591, 47.5635

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.



48.8455, 37.9032, 108.7105



34.2946, 37.9032, 6.3727



28.1811, 37.9032, 118.6091

Square

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



34.2946, 37.9032, 6.3727



19.4734, 37.9032, 46.5179



37.8144, 37.9032, 129.3666



60.0085, 37.9032, 36.4327

Rectangle

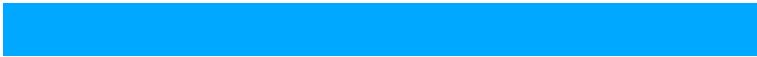
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2946, 37.9032, 6.3727



21.9302, 37.9032, 16.2698



37.8144, 37.9032, 129.3666



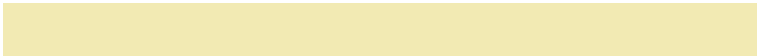
55.1480, 37.9032, 83.8908

Sweetspot

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



34.2955, 37.9050, 6.3735



74.3292, 81.1107, 54.5268



21.3082, 11.4135, 3.6380



16.1221, 17.6565, 11.0398



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.



34.2955, 37.9050, 6.3735



60.0098, 65.5334, 9.4864



26.7227, 40.1365, 7.2033



10.2146, 10.9051, 10.1432



23.1709, 25.3805, 3.6777



0.9373, 1.0534, 0.1539

Inverse Universe

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



10.2849, 5.6591, 47.5635



16.5599, 7.4165, 84.7601



12.9321, 6.1158, 47.5121



9.1129, 9.4182, 12.0098



6.4368, 2.9853, 32.6299



0.2849, 0.1824, 1.2890

Previews

White Background



This preview shows how the XYZ color 34.2946, 37.9032, 6.3727 looks on a white background.

Color Contrast Check

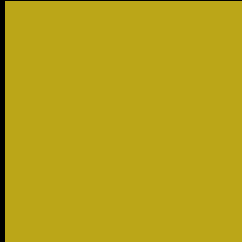
Large Text (above 18pt) WCAG AA × Fail

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 34.2946, 37.9032, 6.3727 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 34.2946, 37.9032, 6.3727

Background



This preview shows how black text looks on a background with the XYZ color 34.2946, 37.9032, 6.3727.



This preview shows how white text looks on a background with the XYZ color 34.2946, 37.9032,

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

34.2946, 37.9032, 6.3727

Protanopia

34.2946, 37.9032, 6.3727

Deuteranopia

38.5988, 37.7682, 6.5519



Tritanopia

41.2035, 37.6001, 41.1623

Trichromacy



Original Color

34.2946, 37.9032, 6.3727

Protanomaly

34.2946, 37.9032, 6.3727

Deuteranomaly

36.8678, 37.6430, 6.4213

Tritanomaly

37.2564, 37.0061, 21.0988

Monochromacy



Original Color

34.2946, 37.9032, 6.3727

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2139, 34.4398, 19.1898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2946, 37.9032, 6.3727 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(187, 166, 24)` looks like.

```
.text, #text, p{  
    color:rgb(187, 166, 24)  
}
```

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(187, 166, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 166, 24) }
```

Border

The CSS property to change the border of an element to XYZ 34.2946, 37.9032, 6.3727 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(187, 166, 24) }
```


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

```
.border{ border-color:rgb(187, 166, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 166, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 166, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 166, 24);  
box-shadow:4px 4px 4px 4px rgb(187, 166,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2946, 37.9032, 6.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 166, 24) }
```

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

```
.background{ background-color: rgb(187,  
166, 24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor