

Converting Colors

XYZ(34.3415, 37.5926, 6.8726)

Have a look what the booklet for
XYZ(34.3415, 37.5926, 6.8726)
contains.

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Color

**XYZ(34.4687, 37.7114,
6.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA521
RGB	188, 165, 33
RGB Percent	74%, 65%, 13%
CMY	0.2627, 0.3529, 0.8706
CMYK	0.00, 0.12, 0.82, 0.26
HSL	51°, 70%, 43%
HSV	51°, 82%, 74%
XYZ	34.4687, 37.7114, 6.9012
YIQ	156.8290, 56.0800, -36.1760

Conversions

Conversions Part 2

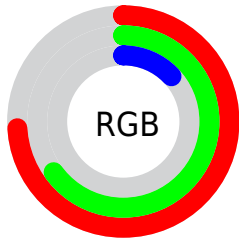
Format	Color
RYB	60, 188, 33
Decimal	12363041
CIELab	67.81, -4.68, 64.75
CIELCh	68, 64.923, 94.133
Yxy	37.7114, 0.4359, 0.4769
Android (android.graphics.Color)	4290553121 (0xFFBCA521)
YUV	156.8290, -61.0477, 27.3370
Hunter-Lab	61.4096, -7.2763, 36.3237

Details

The XYZ color **34.4687, 37.7114, 6.9012** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.1187, 6.7827, 48.2999**, and the grayscale version is **32.2201, 33.8981, 36.9150**.

A 20% lighter version of the original color is **66.1929, 71.8982, 20.2865**, and **15.2232, 16.7805, 2.4366** is the 20% darker color. If you saturate the color by 10%, you get **33.7780, 36.6403, 5.7149**, and if you desaturate by 10%, it is **35.3191, 38.8668, 8.8665**.

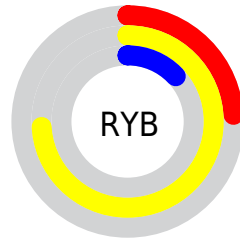
Distribution



Red (74%)

Green (65%)

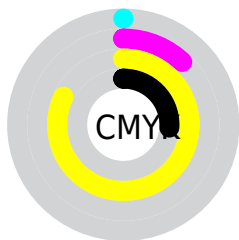
Blue (13%)



Red (24%)

Yellow (74%)

Blue (13%)

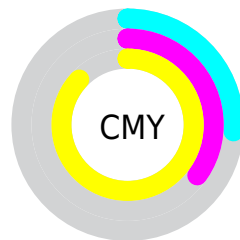


Cyan (0%)

Magenta (12%)

Yellow (82%)

Black (26%)



Cyan (26%)


Magenta (35%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4687, 37.7114, 6.9012 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 34.4687, 37.7114, 6.9012 by changing the saturation by 10% instead.


 34.4687, 37.7114,
6.9012


 34.4687, 37.7114,
6.9012


313.7662,
336.3803, 176.4399

 23.4185, 25.7588,
3.3229


 66.0013, 71.6656,
20.2836


 15.0252, 16.6433,
1.2618


 87.2145, 94.4359,
30.9249


 8.9235, 9.9805,
0.0301


 112.5460,
121.5809, 44.7574

 4.7480, 5.3860,
0.0000

 142.3612,
153.4851, 62.1999

 2.1334, 2.4755,
0.0000

 177.0254,
190.5327, 83.6709

 0.7073, 0.8643,
0.0000

 216.9041,

 0.0000, 0.0000,

233.1082, 109.5888

0.0000

262.3626,
281.5959, 140.3723

■ 34.4687, 37.7114,
6.9012

■ 34.4687, 37.7114,
6.9012

■ 33.7780, 36.6403,
5.7149

■ 35.3191, 38.8668,
8.8665

■ 33.3285, 35.8704,
5.1671

■ 36.3480, 40.1098,
11.7214

■ 37.5743, 41.4496,
15.5611

■ 39.0137, 42.8925,
20.4678

■ 40.6803, 44.4442,
26.5153

■ 42.5869, 46.1100,
33.7707

■ 44.7452, 47.8947,
42.2959

■ 47.1664, 49.8029,
52.1486

■ 49.8607, 51.8387,
63.3830

Harmonies

Analogous

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



44.9534, 37.7114, 8.6804



34.4687, 37.7114, 6.9012



26.0564, 37.7114, 10.1743

Triad

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



34.4687, 37.7114, 6.9012



22.1087, 37.7114, 80.6051



56.1967, 37.7114, 70.2512

Complementary

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



34.4687, 37.7114, 6.9012



11.1187, 6.7827, 48.2999

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.



47.8178, 37.7114, 106.0248



34.4687, 37.7114, 6.9012



28.0559, 37.7114, 113.7111

Square

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



34.4687, 37.7114, 6.9012



19.8169, 37.7114, 45.1808



37.2545, 37.7114, 124.6988



58.7807, 37.7114, 37.2002

Rectangle

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



34.4687, 37.7114, 6.9012



22.3526, 37.7114, 16.4207



37.2545, 37.7114, 124.6988



53.8963, 37.7114, 82.7756

Sweetspot

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



34.4696, 37.7132, 6.9020



76.1113, 82.6505, 57.0695



22.0030, 12.0674, 4.9438



16.1054, 17.5450, 11.2743



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.



34.4696, 37.7132, 6.9020



60.3623, 64.9068, 9.4171



28.0497, 41.1241, 7.8987



10.1984, 10.8727, 10.1378



22.7347, 24.5082, 3.5323



0.9238, 1.0266, 0.1495

Inverse Universe

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



11.1187, 6.7827, 48.2999



17.1876, 8.0083, 86.8661



13.5753, 6.7574, 48.1655



9.1277, 9.4477, 12.0147



6.4957, 3.1031, 32.6495



0.2914, 0.1954, 1.2912

Previews

White Background



This preview shows how the XYZ color 34.4687, 37.7114, 6.9012 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 34.4687, 37.7114, 6.9012 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 34.4687, 37.7114, 6.9012

Background



This preview shows how black text looks on a background with the XYZ color 34.4687, 37.7114, 6.9012.

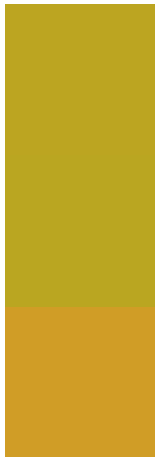


This preview shows how white text looks on a background with the XYZ color 34.4687, 37.7114,

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

34.4687, 37.7114, 6.9012

Protanopia

34.1604, 37.8213, 6.9386

Deuteranopia

38.4192, 37.6638, 7.0786



Tritanopia

41.4645, 37.7347, 41.1745

Trichromacy



Original Color

34.4687, 37.7114, 6.9012

Protanomaly

34.4042, 37.9470, 6.9501

Deuteranomaly

36.9766, 37.6865, 6.9944

Tritanomaly

37.7450, 37.2311, 22.3365

Monochromacy



Original Color

34.4687, 37.7114, 6.9012

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6439, 34.6363, 20.3469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4687, 37.7114, 6.9012 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(188, 165, 33)` looks like.

```
.text, #text, p{  
    color:rgb(188, 165, 33)  
}
```

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(188, 165, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 165, 33) }
```

Border

The CSS property to change the border of an element to XYZ 34.4687, 37.7114, 6.9012 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(188, 165, 33) }
```


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

```
.border{ border-color:rgb(188, 165, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 165, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 165, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 165, 33);  
box-shadow:4px 4px 4px 4px rgb(188, 165,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4687, 37.7114, 6.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 165, 33) }
```

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

```
.background{ background-color: rgb(188,  
165, 33) }
```

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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