

Converting Colors

XYZ(33.8170, 37.0175, 3.2546)

Have a look what the booklet for
XYZ(33.8170, 37.0175, 3.2546)
contains.

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Color

**XYZ(34.0835, 37.0132,
5.3479)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA300
RGB	189, 163, 0
RGB Percent	74%, 64%, 0%
CMY	0.2588, 0.3608, 0.9999
CMYK	0.00, 0.14, 1.00, 0.26
HSL	52°, 100%, 37%
HSV	52°, 100%, 74%
XYZ	34.0835, 37.0132, 5.3479
YIQ	152.1920, 67.8190, -45.1810

Conversions

Conversions Part 2

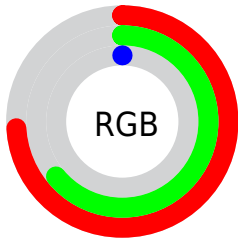
Format	Color
R _Y B	30, 189, 0
Decimal	12428032
CIE Lab	67.29, -3.77, 70.35
CIE LCh	67, 70.455, 93.066
Yxy	37.0132, 0.4459, 0.4842
Android (android.graphics.Color)	4290618112 (0xFFBDA300)
YUV	152.1920, -75.0307, 32.2806
Hunter-Lab	60.8385, -6.4664, 37.3751

Details

The XYZ color **34.0835, 37.0132, 5.3479** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.5551, 4.4135, 48.4921**, and the grayscale version is **30.2234, 31.7973, 34.6273**.

A 20% lighter version of the original color is **65.4428, 70.8043, 17.0549**, and **15.1542, 16.4136, 2.3694** is the 20% darker color. If you saturate the color by 10%, you get **34.0839, 37.0142, 5.3480**, and if you desaturate by 10%, it is **34.6674, 37.9944, 6.1188**.

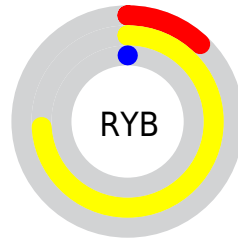
Distribution



Red (74%)

Green (64%)

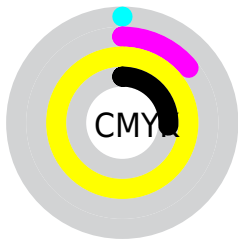
Blue (0%)



Red (12%)

Yellow (74%)

Blue (0%)

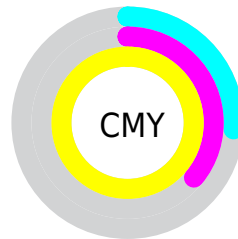


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0835, 37.0132, 5.3479 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 34.0835, 37.0132, 5.3479 by changing the saturation by 10% instead.


 34.0835, 37.0132,
5.3479


 34.0835, 37.0132,
5.3479


312.0836,
333.3677, 162.2001


 23.1209, 25.2177,
2.3905


 65.4069, 70.5931,
17.0153


 14.8040, 16.2393,
0.7813


 86.4985, 93.1463,
26.5623

 8.7674, 9.6937,
0.0000

 111.6971,
120.0541, 39.1430

 4.6457, 5.1963,
0.0000

 141.3682,
151.7011, 55.1759

 2.0735, 2.3629,
0.0000

 175.8770,
188.4715, 75.0795

 0.6747, 0.8067,
0.0000

 215.5889,

 0.0000, 0.0000,

230.7499, 99.2724

0.0000

260.8693,
278.9204, 128.1731

34.0835, 37.0132,
5.3479

34.0835, 37.0132,
5.3479

34.0839, 37.0142,
5.3480

34.6674, 37.9944,
6.1188

35.3734, 39.0383,
7.4890

36.2435, 40.1632,
9.6759

37.2984, 41.3775,
12.7885

38.5558, 42.6882,
16.9190

■ 40.0309, 44.1017,
22.1484

■ 41.7378, 45.6236,
28.5497

■ 43.6891, 47.2591,
36.1893

■ 45.8965, 49.0129,
45.1290

Harmonies

Analogous

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



45.4207, 37.0132, 7.1757



34.0835, 37.0132, 5.3479



25.0457, 37.0132, 8.2276

Triad

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



34.0835, 37.0132, 5.3479



20.5201, 37.0132, 82.1043



57.0656, 37.0132, 73.5843

Complementary

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



34.0835, 37.0132, 5.3479



9.5551, 4.4135, 48.4921

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.



47.7345, 37.0132, 113.2558



34.0835, 37.0132, 5.3479



26.6072, 37.0132, 119.6935

Square

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



34.0835, 37.0132, 5.3479



18.2853, 37.0132, 43.5584



36.2996, 37.0132, 133.2975



60.1814, 37.0132, 37.2103

Rectangle

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



34.0835, 37.0132, 5.3479



21.0849, 37.0132, 14.1324



36.2996, 37.0132, 133.2975



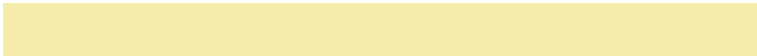
54.4695, 37.0132, 87.4874

Sweetspot

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



34.0843, 37.0150, 5.3486



74.5936, 81.5747, 50.5222



21.2003, 10.9047, 2.1090



15.7546, 17.2908, 9.7782



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.



34.0843, 37.0150, 5.3486



60.9126, 66.0287, 9.5344



26.3453, 40.5953, 6.4476



10.2073, 10.8906, 10.1408



22.9743, 24.9873, 3.6122



0.9312, 1.0414, 0.1519

Inverse Universe

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



9.5551, 4.4135, 48.4921



17.0136, 7.7057, 86.8168



11.4430, 4.8383, 48.4746



9.1195, 9.4314, 12.0120



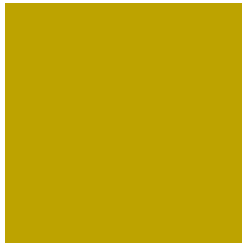
6.4623, 3.0362, 32.6384



0.2878, 0.1882, 1.2900

Previews

White Background



This preview shows how the XYZ color 34.0835, 37.0132, 5.3479 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 34.0835, 37.0132, 5.3479 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 34.0835, 37.0132, 5.3479

Background



This preview shows how black text looks on a background with the XYZ color 34.0835, 37.0132, 5.3479.

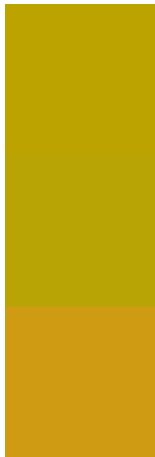


This preview shows how white text looks on a background with the XYZ color 34.0835, 37.0132,

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

34.0835, 37.0132, 5.3479

Protanopia

33.3104, 36.8762, 5.5057

Deuteranopia

37.5710, 36.7551, 5.7303



Tritanopia

40.9662, 36.7833, 39.5911

Trichromacy



Original Color

34.0835, 37.0132, 5.3479

Protanomaly

33.5416, 36.9966, 5.4594

Deuteranomaly

36.1126, 36.7596, 5.5398

Tritanomaly

36.7257, 36.0443, 18.1183

Monochromacy



Original Color

34.0835, 37.0132, 5.3479

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5632, 32.6393, 16.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0835, 37.0132, 5.3479 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, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 163, 0)  
}
```

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, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.0835, 37.0132, 5.3479 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, 163, 0) }
```


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

```
.border{ border-color:rgb(189, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0835, 37.0132, 5.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 163, 0) }
```

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

```
.background{ background-color: rgb(189,  
163, 0) }
```

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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