

Converting Colors

XYZ(34.8906, 37.7924, 5.4557)

Have a look what the booklet for
XYZ(34.8906, 37.7924, 5.4557)
contains.

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Color

**XYZ(34.7613, 37.6273,
5.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA400
RGB	191, 164, 0
RGB Percent	75%, 64%, 0%
CMY	0.2510, 0.3568, 0.9999
CMYK	0.00, 0.14, 1.00, 0.25
HSL	52°, 100%, 37%
HSV	52°, 100%, 75%
XYZ	34.7613, 37.6273, 5.4307
YIQ	153.3770, 68.7360, -45.2800

Conversions

Conversions Part 2

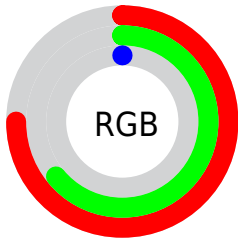
Format	Color
R _Y B	31, 191, 0
Decimal	12559360
CIE Lab	67.75, -3.40, 70.77
CIE LCh	68, 70.850, 92.754
Yxy	37.6273, 0.4467, 0.4835
Android (android.graphics.Color)	4290749440 (0xFFBFA400)
YUV	153.3770, -75.6149, 32.9954
Hunter-Lab	61.3411, -6.1930, 37.6897

Details

The XYZ color **34.7613, 37.6273, 5.4307** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.7962, 4.5460, 49.6509**, and the grayscale version is **30.7431, 32.3442, 35.2228**.

A 20% lighter version of the original color is **66.4197, 71.6941, 17.1751**, and **15.5780, 16.7968, 2.4211** is the 20% darker color. If you saturate the color by 10%, you get **34.7617, 37.6283, 5.4308**, and if you desaturate by 10%, it is **35.3689, 38.6531, 6.2180**.

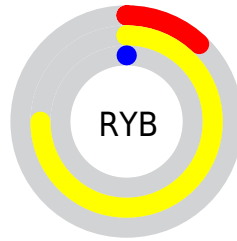
Distribution



Red (75%)

Green (64%)

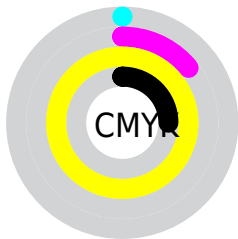
Blue (0%)



Red (12%)

Yellow (75%)

Blue (0%)

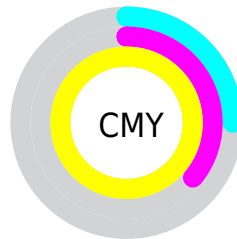


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7613, 37.6273, 5.4307 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 34.7613, 37.6273, 5.4307 by changing the saturation by 10% instead.

■ 34.7613, 37.6273,
5.4307

■ 34.7613, 37.6273,
5.4307

315.0400,
336.0185, 163.0026

■ 23.6447, 25.6936,
2.4390

■ 66.4523, 71.5365,
17.1941

■ 15.1936, 16.5945,
0.8076

■ 87.7574, 94.2808,
26.8029

■ 9.0426, 9.9458,
0.0000

■ 113.1894,
121.3974, 39.4544

■ 4.8263, 5.3631,
0.0000

■ 143.1136,
153.2706, 55.5672

■ 2.1794, 2.4618,
0.0000

■ 177.8954,
190.2850, 75.5599

■ 0.7319, 0.8574,
0.0000

■ 217.9002,

■ 0.0000, 0.0000,

232.8248, 99.8510

0.0000

263.4932,
281.2745, 128.8591

34.7613, 37.6273,
5.4307

34.7613, 37.6273,
5.4307

34.7617, 37.6283,
5.4308

35.3689, 38.6531,
6.2180

36.1023, 39.7443,
7.6206

37.0044, 40.9195,
9.8602

38.0965, 42.1875,
13.0486

39.3965, 43.5554,
17.2804

■ 40.9203, 45.0298,
22.6388

■ 42.6823, 46.6164,
29.1986

■ 44.6954, 48.3205,
37.0282

■ 46.9717, 50.1471,
46.1907

Harmonies

Analogous

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



46.2968, 37.6273, 7.3405



34.7613, 37.6273, 5.4307



25.5372, 37.6273, 8.3005

Triad

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



34.7613, 37.6273, 5.4307



20.8158, 37.6273, 83.0289



57.9429, 37.6273, 75.2476

Complementary

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



34.7613, 37.6273, 5.4307



9.7962, 4.5460, 49.6509

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.



48.4098, 37.6273, 115.5013



34.7613, 37.6273, 5.4307



26.9631, 37.6273, 121.3814

Square

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



34.7613, 37.6273, 5.4307



18.5836, 37.6273, 43.9364



36.7850, 37.6273, 135.5597



61.1912, 37.6273, 38.1397

Rectangle

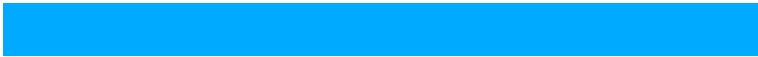
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7613, 37.6273, 5.4307



21.4828, 37.6273, 14.2350



36.7850, 37.6273, 135.5597



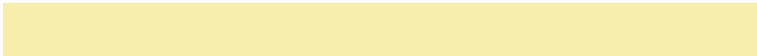
55.2829, 37.6273, 89.3857

Sweetspot

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



34.7621, 37.6291, 5.4314



76.2824, 83.3490, 51.6762



21.7034, 11.1637, 2.1516



16.4453, 18.0317, 10.1969



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.7621, 37.6291, 5.4314



62.1222, 67.1197, 9.6812



26.9653, 41.5579, 6.6007



10.2042, 10.8843, 10.1397



22.8898, 24.8183, 3.5840



0.9286, 1.0362, 0.1511

Inverse Universe

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



9.7962, 4.5460, 49.6509



17.4425, 7.9368, 88.8918



11.7092, 4.9502, 49.6281



9.1224, 9.4371, 12.0129



6.4737, 3.0592, 32.6422



0.2890, 0.1907, 1.2904

Previews

White Background



This preview shows how the XYZ color 34.7613, 37.6273, 5.4307 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 34.7613, 37.6273, 5.4307 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 34.7613, 37.6273, 5.4307

Background



This preview shows how black text looks on a background with the XYZ color 34.7613, 37.6273, 5.4307.

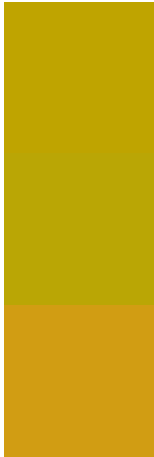


This preview shows how white text looks on a background with the XYZ color 34.7613, 37.6273,

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

34.7613, 37.6273, 5.4307

Protanopia

33.9133, 37.7225, 5.6373

Deuteranopia

38.4690, 37.7163, 5.8685



Tritanopia

41.7485, 37.4162, 40.1436

Trichromacy



Original Color

34.7613, 37.6273, 5.4307

Protanomaly

34.2106, 37.6082, 5.5422

Deuteranomaly

36.9943, 37.7247, 5.6796

Tritanomaly

37.4131, 36.6467, 18.1983

Monochromacy



Original Color

34.7613, 37.6273, 5.4307

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1510, 33.1925, 16.1269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7613, 37.6273, 5.4307 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(191, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 164, 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(191, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.7613, 37.6273, 5.4307 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(191, 164, 0) }
```


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

```
.border{ border-color:rgb(191, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7613, 37.6273, 5.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 164, 0) }
```

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

```
.background{ background-color: rgb(191,  
164, 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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