

Converting Colors

XYZ(34.3030, 37.8772, 7.6945)

Have a look what the booklet for
XYZ(34.3030, 37.8772, 7.6945)
contains.

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Color

**XYZ(34.3038, 37.8787,
7.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA62A
RGB	186, 166, 42
RGB Percent	73%, 65%, 16%
CMY	0.2706, 0.3490, 0.8353
CMYK	0.00, 0.11, 0.77, 0.27
HSL	52°, 63%, 45%
HSV	52°, 77%, 73%
XYZ	34.3038, 37.8787, 7.6938
YIQ	157.8440, 51.7240, -34.3240

Conversions

Conversions Part 2

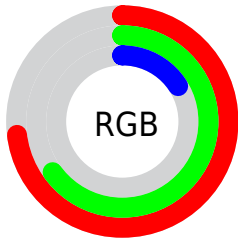
Format	Color
R _{YB}	65, 186, 42
Decimal	12232234
CIE Lab	67.93, -5.78, 62.02
CIE LCh	68, 62.293, 95.326
Yxy	37.8787, 0.4295, 0.4742
Android (android.graphics.Color)	4290422314 (0xFFBAA62A)
YUV	157.8440, -57.1111, 24.6928
Hunter-Lab	61.5457, -8.2141, 35.6702

Details

The XYZ color **34.3038, 37.8787, 7.6938** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.5405, 7.4826, 47.2900**, and the grayscale version is **32.6639, 34.3650, 37.4235**.

A 20% lighter version of the original color is **65.7172, 72.0072, 21.9904**, and **15.1840, 16.9286, 2.4673** is the 20% darker color. If you saturate the color by 10%, you get **33.5806, 36.8472, 6.1744**, and if you desaturate by 10%, it is **35.1926, 38.9945, 10.0311**.

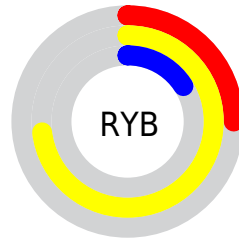
Distribution



Red (73%)

Green (65%)

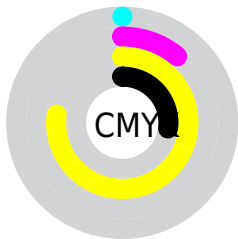
Blue (16%)



Red (25%)

Yellow (73%)

Blue (16%)

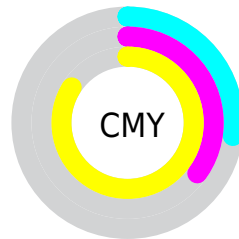


Cyan (0%)

Magenta (11%)

Yellow (77%)

Black (27%)



Cyan (27%)

Magenta (35%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3038, 37.8787, 7.6938 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 34.3038, 37.8787, 7.6938 by changing the saturation by 10% instead.

■ 34.3038, 37.8787,
7.6938

■ 34.3038, 37.8787,
7.6938

313.0467,
337.0993, 183.1542

■ 23.2911, 25.8886,
3.8147

■ 65.7470, 71.9222,
21.8921

■ 14.9305, 16.7403,
1.5242

■ 86.9082, 94.7443,
33.0484

■ 8.8566, 10.0495,
0.2359

■ 112.1829,
121.9459, 47.4675

■ 4.7041, 5.4318,
0.0000

■ 141.9364,
153.9113, 65.5680

■ 2.1077, 2.5028,
0.0000

■ 176.5343,
191.0250, 87.7684

■ 0.6934, 0.8780,
0.0000

■ 216.3417,

■ 0.0000, 0.0000,

233.6713, 114.4872

0.0000

261.7240,
282.2346, 146.1429

■ 34.3038, 37.8787,
7.6938

■ 34.3038, 37.8787,
7.6938

■ 33.5806, 36.8472,
6.1744

■ 35.1926, 38.9945,
10.0311

■ 32.9927, 35.8833,
5.3252

■ 36.2634, 40.1968,
13.2837

■ 32.8503, 35.6405,
5.1479

■ 37.5333, 41.4940,
17.5379

■ 39.0167, 42.8919,
22.8692

■ 40.7268, 44.3959,
29.3460

■ 42.6753, 46.0108,
37.0311

■ 44.8734, 47.7412,
45.9826

■ 47.3316, 49.5912,
56.2547

■ 50.0595, 51.5649,
67.8989

Harmonies

Analogous

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



44.3378, 37.8787, 9.3077



34.3038, 37.8787, 7.6938



26.2840, 37.8787, 11.2631

Triad

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



34.3038, 37.8787, 7.6938



22.8609, 37.8787, 80.3432



55.6845, 37.8787, 67.7135

Complementary

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



34.3038, 37.8787, 7.6938



11.5405, 7.4826, 47.2900

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.



47.8625, 37.8787, 101.7484



34.3038, 37.8787, 7.6938



28.7835, 37.8787, 111.0441

Square

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



34.3038, 37.8787, 7.6938



20.4784, 37.8787, 46.3874



37.7565, 37.8787, 120.2544



57.8763, 37.8787, 36.4946

Rectangle

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



34.3038, 37.8787, 7.6938



22.7714, 37.8787, 17.7569



37.7565, 37.8787, 120.2544



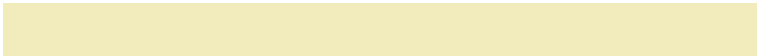
53.5655, 37.8787, 79.5718

Sweetspot

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



34.3047, 37.8805, 7.6946



75.1927, 81.6278, 58.5444



21.9918, 12.4609, 6.0377



16.2858, 17.7461, 11.8273



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.



34.3047, 37.8805, 7.6946



60.0908, 65.5342, 10.0108



28.0654, 40.4856, 8.5262



9.6410, 10.2850, 9.5840



22.1418, 24.0599, 3.4770



0.8101, 0.9073, 0.1324

Inverse Universe

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



11.5405, 7.4826, 47.2900



17.3618, 8.6782, 84.9614



14.1450, 7.4975, 47.1556



8.6190, 8.9153, 11.3460



6.2420, 2.9437, 31.4923



0.2525, 0.1686, 1.1210

Previews

White Background



This preview shows how the XYZ color 34.3038, 37.8787, 7.6938 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 34.3038, 37.8787, 7.6938 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 34.3038, 37.8787, 7.6938

Background



This preview shows how black text looks on a background with the XYZ color 34.3038, 37.8787, 7.6938.



This preview shows how white text looks on a background with the XYZ color 34.3038, 37.8787,

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

34.3038, 37.8787, 7.6938

Protanopia

34.3038, 37.8787, 7.6938

Deuteranopia

38.5625, 37.7211, 7.8332



Tritanopia

41.2021, 37.8348, 41.6905

Trichromacy



Original Color

34.3038, 37.8787, 7.6938

Protanomaly

34.3038, 37.8787, 7.6938

Deuteranomaly

36.8639, 37.6104, 7.7992

Tritanomaly

37.6492, 37.4079, 23.6485

Monochromacy



Original Color

34.3038, 37.8787, 7.6938

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0457, 35.0755, 21.6043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3038, 37.8787, 7.6938 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(186, 166, 42)` looks like.

```
.text, #text, p{  
    color:rgb(186, 166, 42)  
}
```

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(186, 166, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 166, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.3038, 37.8787, 7.6938 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(186, 166, 42) }
```


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

```
.border{ border-color:rgb(186, 166, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 166, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 166, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 166, 42);  
box-shadow:4px 4px 4px 4px rgb(186, 166,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3038, 37.8787, 7.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 166, 42) }
```

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

```
.background{ background-color: rgb(186,  
166, 42) }
```

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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