

Converting Colors

XYZ(33.7322, 37.3603, 5.5770)

Have a look what the booklet for
XYZ(33.7322, 37.3603, 5.5770)
contains.

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Color

**XYZ(33.7322, 37.3603,
5.5770)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA505
RGB	186, 165, 5
RGB Percent	73%, 65%, 2%
CMY	0.2706, 0.3529, 0.9803
CMYK	0.00, 0.11, 0.97, 0.27
HSL	53°, 95%, 37%
HSV	53°, 97%, 73%
XYZ	33.7322, 37.3603, 5.5770
YIQ	153.0390, 63.8760, -45.3080

Conversions

Conversions Part 2

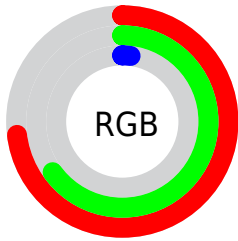
Format	Color
R _Y B	29, 186, 5
Decimal	12231941
CIE Lab	67.55, -6.11, 69.77
CIE LCh	68, 70.038, 95.007
Yxy	37.3603, 0.4400, 0.4873
Android (android.graphics.Color)	4290422021 (0xFFBAA505)
YUV	153.0390, -72.9832, 28.9068
Hunter-Lab	61.1231, -8.4560, 37.3764

Details

The XYZ color **33.7322, 37.3603, 5.5770** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.2953, 4.3168, 46.7972**, and the grayscale version is **30.5853, 32.1781, 35.0420**.

A 20% lighter version of the original color is **64.9744, 71.3293, 17.5511**, and **14.9194, 16.6238, 2.4224** is the 20% darker color. If you saturate the color by 10%, you get **33.6008, 37.1416, 5.3981**, and if you desaturate by 10%, it is **34.2590, 38.2004, 6.4112**.

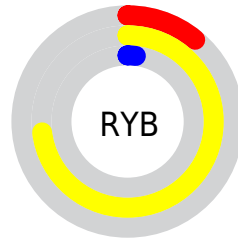
Distribution



Red (73%)

Green (65%)

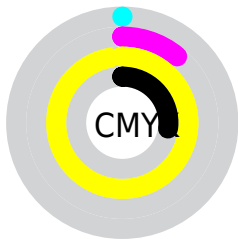
Blue (2%)



Red (11%)

Yellow (73%)

Blue (2%)

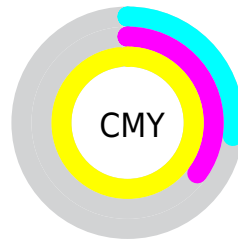


Cyan (0%)

Magenta (11%)

Yellow (97%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7322, 37.3603, 5.5770 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 33.7322, 37.3603, 5.5770 by changing the saturation by 10% instead.


 33.7322, 37.3603,
5.5770


 33.7322, 37.3603,
5.5770

310.5433,
334.8678, 164.4070


 22.8499, 25.4866,
2.5250


 64.8641, 71.1266,
17.5086


 14.6028, 16.4399,
0.8534


 85.8443, 93.7879,
27.2254


 8.6256, 9.8360,
0.0000

 110.9212,
120.8139, 40.0008

 4.5529, 5.2904,
0.0000

 140.4601,
152.5890, 56.2535

 2.0194, 2.4186,
0.0000

 174.8264,
189.4975, 76.4019

 0.6448, 0.8354,
0.0000

 214.3855,

 0.0000, 0.0000,

231.9239, 100.8646

0.0000

259.5027,
280.2525, 130.0601

■ 33.7322, 37.3603,
5.5770

■ 33.7322, 37.3603,
5.5770

■ 33.6008, 37.1416,
5.3981

■ 34.2590, 38.2004,
6.4112

■ 34.9189, 39.1030,
7.9181

■ 35.7402, 40.0806,
10.2416

■ 36.7417, 41.1411,
13.4814

■ 37.9397, 42.2908,
17.7226

■ 39.3485, 43.5355,
23.0409

■ 40.9811, 44.8806,
29.5045

■ 42.8494, 46.3309,
37.1760

■ 44.9645, 47.8908,
46.1135

Harmonies

Analogous

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



45.0028, 37.3603, 7.1176



33.7322, 37.3603, 5.5770



24.9009, 37.3603, 8.8636

Triad

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



33.7322, 37.3603, 5.5770



21.0993, 37.3603, 85.0964



57.7930, 37.3603, 71.2525

Complementary

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



33.7322, 37.3603, 5.5770



9.2953, 4.3168, 46.7972

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.



48.7710, 37.3603, 111.2063



33.7322, 37.3603, 5.5770



27.4556, 37.3603, 121.6411

Square

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



33.7322, 37.3603, 5.5770



18.6108, 37.3603, 46.0803



37.3489, 37.3603, 133.0428



60.4065, 37.3603, 35.7172

Rectangle

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



33.7322, 37.3603, 5.5770



21.0974, 37.3603, 15.2570



37.3489, 37.3603, 133.0428



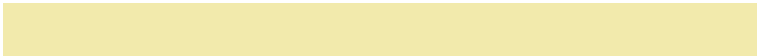
55.3309, 37.3603, 85.0778

Sweetspot

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



33.7330, 37.3621, 5.5777



73.6015, 80.8029, 50.7458



20.4919, 10.6231, 1.9554



15.9261, 17.5627, 10.0550



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.



33.7330, 37.3621, 5.5777



60.7881, 67.0900, 9.7458



24.8717, 38.8843, 6.3386



9.6589, 10.3207, 9.5899



22.6411, 25.0586, 3.6435



0.8235, 0.9342, 0.1369

Inverse Universe

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



9.2953, 4.3168, 46.7972



16.4823, 7.2612, 84.7342



11.7717, 5.1255, 46.8228



8.6028, 8.8828, 11.3406



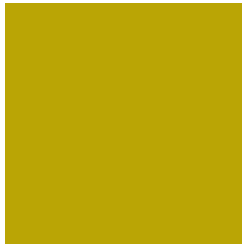
6.1797, 2.8191, 31.4715



0.2455, 0.1547, 1.1187

Previews

White Background



This preview shows how the XYZ color 33.7322, 37.3603, 5.5770 looks on a white background.

Color Contrast Check

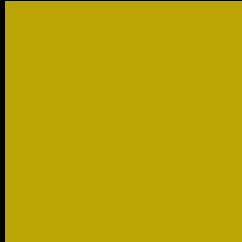
Large Text (above 18pt) WCAG AA × Fail

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 33.7322, 37.3603, 5.5770 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 33.7322, 37.3603, 5.5770

Background



This preview shows how black text looks on a background with the XYZ color 33.7322, 37.3603, 5.5770.



This preview shows how white text looks on a background with the XYZ color 33.7322, 37.3603,

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

33.7322, 37.3603, 5.5770

Protanopia

33.7322, 37.3603, 5.5770

Deuteranopia

38.0362, 37.2410, 5.8930



Tritanopia

40.9477, 37.2348, 40.6262

Trichromacy



Original Color

33.7322, 37.3603, 5.5770

Protanomaly

33.7322, 37.3603, 5.5770

Deuteranomaly

36.3038, 37.1101, 5.7015

Tritanomaly

36.4490, 36.3819, 19.0113

Monochromacy



Original Color

33.7322, 37.3603, 5.5770

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.8262, 33.0141, 16.6047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7322, 37.3603, 5.5770 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, 165, 5)` looks like.

```
.text, #text, p{  
    color:rgb(186, 165, 5)  
}
```

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, 165, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 165, 5) }
```

Border

The CSS property to change the border of an element to XYZ 33.7322, 37.3603, 5.5770 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, 165, 5) }
```


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

```
.border{ border-color:rgb(186, 165, 5) }
```

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

Here you see how a box with a 4 pixel rgb(186, 165, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 165, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 165, 5);  
box-shadow:4px 4px 4px 4px rgb(186, 165,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7322, 37.3603, 5.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 165, 5) }
```

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

```
.background{ background-color: rgb(186,  
165, 5) }
```

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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