

Converting Colors

XYZ(37.0173, 42.0459, 6.1647)

Have a look what the booklet for
XYZ(37.0173, 42.0459, 6.1647)
contains.

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Color

**XYZ(37.0112, 42.1270,
6.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB000
RGB	191, 176, 0
RGB Percent	75%, 69%, 0%
CMY	0.2510, 0.3098, 0.9999
CMYK	0.00, 0.08, 1.00, 0.25
HSL	55°, 100%, 37%
HSV	55°, 100%, 75%
XYZ	37.0112, 42.1270, 6.1806
YIQ	160.4210, 65.4360, -51.5560

Conversions

Conversions Part 2

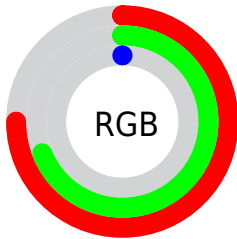
Format	Color
RYB	16, 191, 0
Decimal	12562432
CIELab	70.96, -9.70, 73.06
CIELCh	71, 73.706, 97.563
Yxy	42.1270, 0.4338, 0.4938
Android (android.graphics.Color)	4290752512 (0xFFBFB000)
YUV	160.4210, -79.0876, 26.8178
Hunter-Lab	64.9053, -11.7976, 39.7878

Details

The XYZ color **37.0112, 42.1270, 6.1806** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.5751, 4.1036, 49.5773**, and the grayscale version is **33.9431, 35.7108, 38.8890**.

A 20% lighter version of the original color is **69.7709, 78.2256, 18.8189**, and **16.8805, 19.4018, 2.8552** is the 20% darker color. If you saturate the color by 10%, you get **37.0118, 42.1285, 6.1809**, and if you desaturate by 10%, it is **37.4263, 42.7677, 6.9038**.

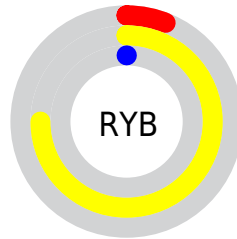
Distribution



Red (75%)

Green (69%)

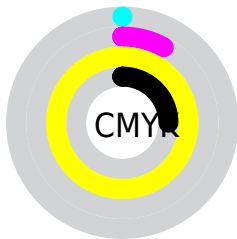
Blue (0%)



Red (6%)

Yellow (75%)

Blue (0%)

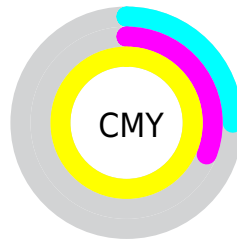


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0112, 42.1270, 6.1806 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 37.0112, 42.1270, 6.1806 by changing the saturation by 10% instead.


 37.0112, 42.1270,
6.1806


 37.0112, 42.1270,
6.1806


324.7137,
355.0091, 170.0340

 25.3899, 29.2007,
2.8846

 69.9037, 78.3918,
18.7887

 16.4980, 19.2327,
1.0360


 91.9056, 102.4991,
28.9380


 9.9703, 11.8386,
0.0000


 118.0985,
131.1023, 42.2087

 5.4414, 6.6339,
0.0000

 148.8476,
164.5857, 59.0195

 2.5459, 3.2342,
0.0000

 184.5183,
203.3336, 79.7889

 0.9185, 1.2552,
0.0000

 225.4760,

 0.0000, 0.1061,

247.7306, 104.9354

0.0000

272.0860,
298.1610, 134.8776

■ 0.0000, 0.0000,
0.0000

■ 37.0112, 42.1270,
6.1806

■ 37.0112, 42.1270,
6.1806

■ 37.0118, 42.1285,
6.1809

■ 37.4263, 42.7677,
6.9038

■ 37.9600, 43.4595,
8.2399

■ 38.6553, 44.2212,
10.4106

■ 39.5334, 45.0612,
13.5277

■ 40.6123, 45.9868,
17.6858

■ 41.9077, 47.0043,
22.9681

■ 43.4339, 48.1194,
29.4494

■ 45.2039, 49.3373,
37.1981

■ 47.2297, 50.6628,
46.2772

Harmonies

Analogous

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



49.7493, 42.1270, 7.4500



37.0112, 42.1270, 6.1806



27.2975, 42.1270, 10.4274

Triad

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



37.0112, 42.1270, 6.1806



24.0834, 42.1270, 100.7054



66.0822, 42.1270, 76.8356

Complementary

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



37.0112, 42.1270, 6.1806



9.5751, 4.1036, 49.5773

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.



56.2360, 42.1270, 123.1042



37.0112, 42.1270, 6.1806



31.6848, 42.1270, 141.1130

Square

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



37.0112, 42.1270, 6.1806



20.8928, 42.1270, 55.3617



43.2306, 42.1270, 150.9190



68.3171, 42.1270, 37.5288

Rectangle

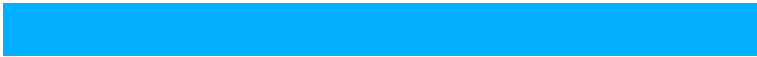
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.0112, 42.1270, 6.1806



23.2302, 42.1270, 18.3111



43.2306, 42.1270, 150.9190



63.4679, 42.1270, 92.5625

Sweetspot

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



37.0121, 42.1290, 6.1814



77.6488, 86.0819, 52.1317



21.5789, 11.1139, 1.4954



16.7853, 18.7116, 10.3102



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.



37.0121, 42.1290, 6.1814



66.2055, 75.2862, 11.0423



25.2397, 40.6684, 6.5200



10.2564, 10.9888, 10.1571



24.3510, 27.7407, 4.0711



0.9731, 1.1250, 0.1659

Inverse Universe

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



9.5751, 4.1036, 49.5773



17.0826, 7.2171, 88.7718



12.6781, 5.4497, 49.6736



9.0751, 9.3425, 11.9972



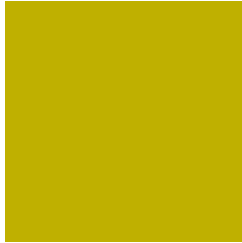
6.3167, 2.7451, 32.5898



0.2682, 0.1490, 1.2835

Previews

White Background



This preview shows how the XYZ color 37.0112, 42.1270, 6.1806 looks on a white background.

Color Contrast Check

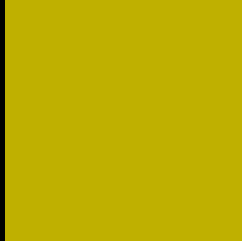
Large Text (above 18pt) WCAG AA × Fail

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 37.0112, 42.1270, 6.1806 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 37.0112, 42.1270, 6.1806

Background



This preview shows how black text looks on a background with the XYZ color 37.0112, 42.1270, 6.1806.



This preview shows how white text looks on a background with the XYZ color 37.0112, 42.1270,

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

37.0112, 42.1270, 6.1806

Deuteranopia

42.8334, 42.0363, 6.7204

Tritanopia

45.4691, 42.2421, 46.8314

Trichromacy



Original Color

37.0112, 42.1270, 6.1806

Deuteranomaly

40.5687, 41.9657, 6.4139

Tritanomaly

40.2160, 41.1809, 21.1583

Monochromacy



Original Color

37.0112, 42.1270, 6.1806

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8291, 36.8897, 17.9605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0112, 42.1270, 6.1806 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, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 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, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.0112, 42.1270, 6.1806 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, 176, 0) }
```

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

```
.border{ border-color:rgb(191, 176, 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, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 37.0112, 42.1270, 6.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 0) }
```

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

```
.background{ background-color: rgb(191,  
176, 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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