

Converting Colors

XYZ(37.1894, 42.3900, 6.2220)

Have a look what the booklet for
XYZ(37.1894, 42.3900, 6.2220)
contains.

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Color

**XYZ(37.2080, 42.5206,
6.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB100
RGB	191, 177, 0
RGB Percent	75%, 69%, 0%
CMY	0.2510, 0.3059, 0.9999
CMYK	0.00, 0.07, 1.00, 0.25
HSL	56°, 100%, 37%
HSV	56°, 100%, 75%
XYZ	37.2080, 42.5206, 6.2462
YIQ	161.0080, 65.1610, -52.0790

Conversions

Conversions Part 2

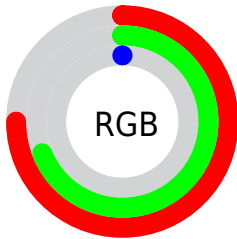
Format	Color
RYB	15, 191, 0
Decimal	12562688
CIELab	71.23, -10.22, 73.26
CIELCh	71, 73.969, 97.941
Yxy	42.5206, 0.4328, 0.4946
Android (android.graphics.Color)	4290752768 (0xFFBFB100)
YUV	161.0080, -79.3769, 26.3030
Hunter-Lab	65.2078, -12.2604, 39.9661

Details

The XYZ color **37.2080, 42.5206, 6.2462** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.5613, 4.0761, 49.5727**, and the grayscale version is **34.2181, 36.0001, 39.2041**.

A 20% lighter version of the original color is **70.0516, 78.7870, 18.9124**, and **17.0065, 19.6538, 2.8972** is the 20% darker color. If you saturate the color by 10%, you get **37.2086, 42.5221, 6.2465**, and if you desaturate by 10%, it is **37.6053, 43.1258, 6.9634**.

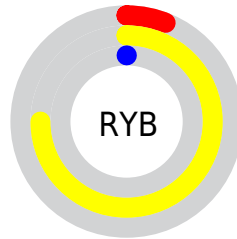
Distribution



Red (75%)

Green (69%)

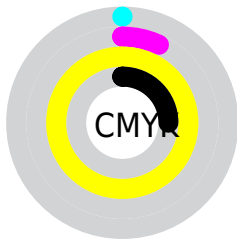
Blue (0%)



Red (6%)

Yellow (75%)

Blue (0%)

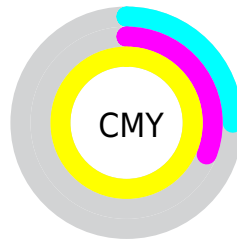


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2080, 42.5206, 6.2462 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 37.2080, 42.5206, 6.2462 by changing the saturation by 10% instead.


 37.2080, 42.5206,
6.2462


 37.2080, 42.5206,
6.2462


325.5501,
356.6365, 170.6304


 25.5430, 29.5092,
2.9242


 70.2043, 78.9869,
18.9262

 16.6129, 19.4663,
1.0560


 92.2664, 103.2106,
29.1213

 10.0525, 12.0077,
0.0000


 118.5248,
131.9405, 42.4444

 5.4963, 6.7489,
0.0000

 149.3449,
165.5609, 59.3142

 2.5790, 3.3056,
0.0000

 185.0922,
204.4563, 80.1492

 0.9353, 1.2933,
0.0000

 226.1319,

 0.0000, 0.1360,

249.0112, 105.3678

0.0000

272.8294,
299.6098, 135.3887

■ 0.0000, 0.0000,
0.0000

■ 37.2080, 42.5206,
6.2462

■ 37.2080, 42.5206,
6.2462

■ 37.2086, 42.5221,
6.2465

■ 37.6053, 43.1258,
6.9634

■ 38.1208, 43.7812,
8.2935

■ 38.7975, 44.5056,
10.4581

■ 39.6565, 45.3075,
13.5688

■ 40.7159, 46.1941,
17.7204

■ 41.9915, 47.1718,
22.9961

■ 43.4974, 48.2463,
29.4707

■ 45.2467, 49.4228,
37.2124

■ 47.2513, 50.7060,
46.2845

Harmonies

Analogous

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



50.0509, 42.5206, 7.4605



37.2080, 42.5206, 6.2462



27.4512, 42.5206, 10.6186

Triad

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



37.2080, 42.5206, 6.2462



24.3710, 42.5206, 102.2811



66.7968, 42.5206, 76.9838

Complementary

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



37.2080, 42.5206, 6.2462



9.5613, 4.0761, 49.5727

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.



56.9258, 42.5206, 123.7703



37.2080, 42.5206, 6.2462



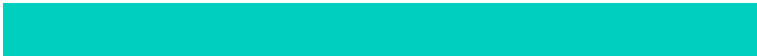
32.1020, 42.5206, 142.8535

Square

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



37.2080, 42.5206, 6.2462



21.0947, 42.5206, 56.3910



43.8002, 42.5206, 152.2630



68.9405, 42.5206, 37.4869

Rectangle

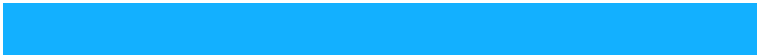
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.2080, 42.5206, 6.2462



23.3826, 42.5206, 18.6803



43.8002, 42.5206, 152.2630



64.1875, 42.5206, 92.8470

Sweetspot

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



37.2090, 42.5226, 6.2471



77.7643, 86.3128, 52.1702



21.5789, 11.1139, 1.4954



16.8140, 18.7692, 10.3198



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.



37.2090, 42.5226, 6.2471



66.5630, 76.0012, 11.1615



25.2397, 40.6684, 6.5200



10.2608, 10.9976, 10.1586



24.4787, 27.9962, 4.1136



0.9769, 1.1327, 0.1671

Inverse Universe

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



9.5613, 4.0761, 49.5727



17.0609, 7.1737, 88.7646



12.6781, 5.4497, 49.6736



9.0712, 9.3347, 11.9959



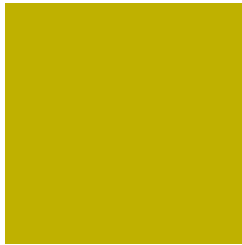
6.3067, 2.7251, 32.5865



0.2664, 0.1455, 1.2829

Previews

White Background



This preview shows how the XYZ color 37.2080, 42.5206, 6.2462 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 37.2080, 42.5206, 6.2462 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 37.2080, 42.5206, 6.2462

Background



This preview shows how black text looks on a background with the XYZ color 37.2080, 42.5206, 6.2462.

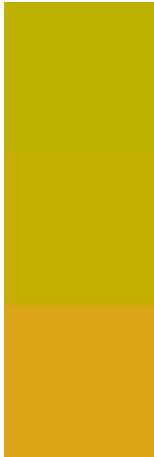


This preview shows how white text looks on a background with the XYZ color 37.2080, 42.5206,

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

37.2080, 42.5206, 6.2462

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

43.1352, 42.1919, 6.7345



Tritanopia

45.7481, 42.6411, 47.4144

Trichromacy



Original Color

37.2080, 42.5206, 6.2462

Protanomaly

38.0310, 42.6528, 6.2284

Deuteranomaly

40.5687, 41.9657, 6.4139

Tritanomaly

40.4573, 41.5740, 21.5150

Monochromacy



Original Color

37.2080, 42.5206, 6.2462

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.2302, 37.3674, 18.0316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2080, 42.5206, 6.2462 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, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 177, 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, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 177, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2080, 42.5206, 6.2462 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, 177, 0) }
```


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

```
.border{ border-color:rgb(191, 177, 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, 177, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 177,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2080, 42.5206, 6.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 177, 0) }
```

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

```
.background{ background-color: rgb(191,  
177, 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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