

Converting Colors

XYZ(37.4337, 44.2206, 6.5625)

Have a look what the booklet for
XYZ(37.4337, 44.2206, 6.5625)
contains.

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Color

**XYZ(37.4670, 44.1473,
6.5466)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB600
RGB	188, 182, 0
RGB Percent	74%, 71%, 0%
CMY	0.2627, 0.2863, 0.9999
CMYK	0.00, 0.03, 1.00, 0.26
HSL	58°, 100%, 37%
HSV	58°, 100%, 74%
XYZ	37.4670, 44.1473, 6.5466
YIQ	163.0460, 61.9980, -55.3300

Conversions

Conversions Part 2

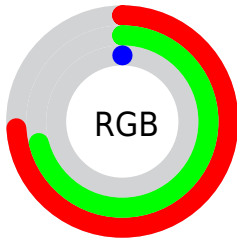
Format	Color
R_{YB}	6, 188, 0
Decimal	12367360
CIE _{Lab}	72.33, -14.11, 73.94
CIE _{LCh}	72, 75.270, 100.802
Yxy	44.1473, 0.4250, 0.5008
Android (android.graphics.Color)	4290557440 (0xFFBCB600)
YUV	163.0460, -80.3817, 21.8847
Hunter-Lab	66.4434, -15.6211, 40.6686

Details

The XYZ color **37.4670, 44.1473, 6.5466** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.1426, 3.7615, 47.8207**, and the grayscale version is **35.1840, 37.0163, 40.3108**.

A 20% lighter version of the original color is **70.7339, 81.6847, 19.6281**, and **17.1886, 20.7111, 3.0917** is the 20% darker color. If you saturate the color by 10%, you get **37.4678, 44.1491, 6.5469**, and if you desaturate by 10%, it is **37.7069, 44.4418, 7.1988**.

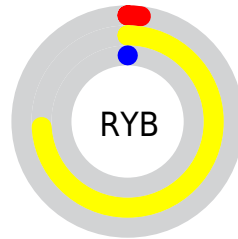
Distribution



Red (74%)

Green (71%)

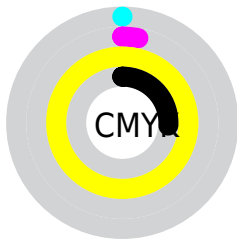
Blue (0%)



Red (2%)

Yellow (74%)

Blue (0%)

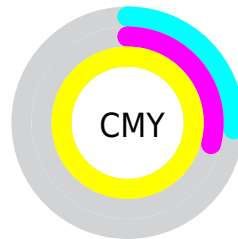


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4670, 44.1473, 6.5466 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 37.4670, 44.1473, 6.5466 by changing the saturation by 10% instead.

■ 37.4670, 44.1473,
6.5466

■ 37.4670, 44.1473,
6.5466

326.6485,
363.3090, 173.3267

■ 25.7446, 30.7863,
3.1061

■ 70.5996, 81.4393,
19.5522

■ 16.7644, 20.4362,
1.1491

■ 92.7406, 106.1392,
29.9544

■ 10.1609, 12.7125,
0.0000

■ 119.0851,
135.3875, 43.5142

■ 5.5688, 7.2309,
0.0000

■ 149.9985,
169.5686, 60.6502

■ 2.6229, 3.6069,
0.0000

■ 185.8462,
209.0669, 81.7809

■ 0.9576, 1.4562,
0.0000

■ 226.9935,

■ 0.0000, 0.2576,

254.2668, 107.3248

0.0000

273.8059,
305.5527, 137.7006

■ 0.0000, 0.0000,
0.0000

■ 37.4670, 44.1473,
6.5466

■ 37.4670, 44.1473,
6.5466

■ 37.4678, 44.1491,
6.5469

■ 37.7069, 44.4418,
7.1988

■ 38.0582, 44.7801,
8.4393

■ 38.5627, 45.1804,
10.4837

■ 39.2408, 45.6510,
13.4395

■ 40.1096, 46.1988,
17.3976

■ 41.1845, 46.8298,
22.4381

■ 42.4791, 47.5496,
28.6328

■ 44.0059, 48.3631,
36.0474

■ 45.7763, 49.2749,
44.7427

Harmonies

Analogous

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



50.6880, 44.1473, 7.2878



37.4670, 44.1473, 6.5466



27.7085, 44.1473, 11.7841

Triad

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



37.4670, 44.1473, 6.5466



25.8004, 44.1473, 111.3060



70.1255, 44.1473, 75.5221

Complementary

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



37.4670, 44.1473, 6.5466



9.1426, 3.7615, 47.8207

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.



60.4148, 44.1473, 124.7260



37.4670, 44.1473, 6.5466



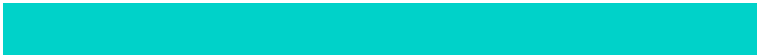
34.2975, 44.1473, 151.6889

Square

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



37.4670, 44.1473, 6.5466



21.9545, 44.1473, 62.7030



46.8000, 44.1473, 157.5737



71.4619, 44.1473, 35.9097

Rectangle

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



37.4670, 44.1473, 6.5466



23.7692, 44.1473, 21.0085



46.8000, 44.1473, 157.5737



67.6510, 44.1473, 91.8963

Sweetspot

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



37.4680, 44.1494, 6.5475



76.8602, 86.1080, 51.2778



20.7735, 10.7055, 1.1520



16.3068, 18.3952, 9.9622



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.



37.4680, 44.1494, 6.5475



67.8690, 79.9416, 11.8532



23.2693, 38.6912, 6.2423



10.2955, 11.0669, 10.1701



25.5211, 30.0810, 4.4611



1.0079, 1.1948, 0.1775

Inverse Universe

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



9.1426, 3.7615, 47.8207



16.5356, 6.7498, 86.6575



13.0775, 5.6935, 47.9862



9.0402, 9.2728, 11.9856



6.2349, 2.5815, 32.5626



0.2527, 0.1180, 1.2783

Previews

White Background



This preview shows how the XYZ color 37.4670, 44.1473, 6.5466 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 37.4670, 44.1473, 6.5466 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 37.4670, 44.1473, 6.5466

Background



This preview shows how black text looks on a background with the XYZ color 37.4670, 44.1473, 6.5466.

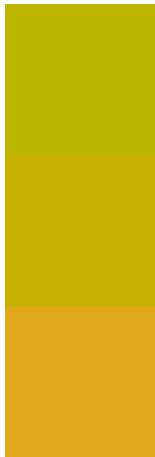


This preview shows how white text looks on a background with the XYZ color 37.4670, 44.1473,

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

37.4670, 44.1473, 6.5466

Protanopia

39.7398, 44.1201, 6.4215

Deuteranopia

44.9296, 43.9271, 7.0880



Tritanopia

46.4509, 44.0327, 50.3069

Trichromacy



Original Color

37.4670, 44.1473, 6.5466

Protanomaly

38.8850, 43.9760, 6.4387

Deuteranomaly

41.9087, 43.7765, 6.7712

Tritanomaly

41.0534, 43.2688, 22.7110

Monochromacy



Original Color

37.4670, 44.1473, 6.5466

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8867, 38.5196, 18.7457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4670, 44.1473, 6.5466 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(188, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 182, 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(188, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4670, 44.1473, 6.5466 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(188, 182, 0) }
```


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

```
.border{ border-color:rgb(188, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4670, 44.1473, 6.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 182, 0) }
```

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

```
.background{ background-color: rgb(188,  
182, 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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