

Converting Colors

XYZ(42.7989, 45.5050, 37.0129)

Have a look what the booklet for
XYZ(42.7989, 45.5050, 37.0129)
contains.

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Color

**XYZ(42.8930, 45.6670,
37.1258)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB49A
RGB	188, 180, 154
RGB Percent	74%, 71%, 60%
CMY	0.2627, 0.2941, 0.3961
CMYK	0.00, 0.04, 0.18, 0.26
HSL	46°, 20%, 67%
HSV	46°, 18%, 74%
XYZ	42.8930, 45.6670, 37.1258
YIQ	179.4280, 13.1140, -6.3900

Conversions

Conversions Part 2

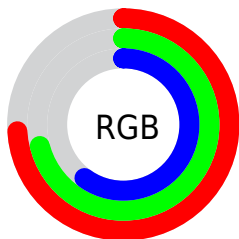
Format	Color
RYB	164, 188, 154
Decimal	12367002
CIELab	73.33, -1.52, 14.29
CIELCh	73, 14.373, 96.072
Yxy	45.6670, 0.3413, 0.3633
Android (android.graphics.Color)	4290557082 (0xFFBCB49A)
YUV	179.4280, -12.5360, 7.5176
Hunter-Lab	67.5774, -4.9621, 14.7313

Details

The XYZ color **42.8930, 45.6670, 37.1258** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.3237, 36.3406, 52.7298**, and the grayscale version is **43.1371, 45.3836, 49.4227**.

A 20% lighter version of the original color is **78.6888, 83.7781, 71.6979**, and **19.8691, 21.2263, 15.8818** is the 20% darker color. If you saturate the color by 10%, you get **40.5703, 43.3340, 29.2222**, and if you desaturate by 10%, it is **45.4919, 48.1591, 46.3325**.

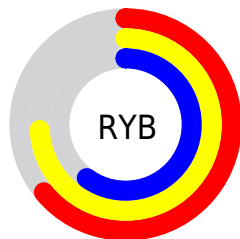
Distribution



Red (74%)

Green (71%)

Blue (60%)



Red (64%)

Yellow (74%)

Blue (60%)

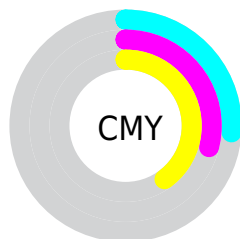


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8930, 45.6670, 37.1258 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 42.8930, 45.6670, 37.1258 by changing the saturation by 10% instead.

■ 42.8930, 45.6670,
37.1258

■ 42.8930, 45.6670,
37.1258

349.1005,
369.4683, 349.0399

■ 29.9953, 31.9831,
25.0084

■ 78.8061, 83.7204,
71.9547

■ 19.9831, 21.3486,
15.8642

■ 102.5522,
108.8587, 95.5033

■ 12.4909, 13.3791,
9.2748

130.6452,
138.5840, 123.6993

■ 7.1535, 7.6901,
4.8216

163.4504,
173.2806, 156.9613

■ 3.6055, 3.8973,
2.0861

201.3332,
213.3329, 195.7078

■ 1.4815, 1.6163,
0.6075

244.6589,

■ 0.3132, 0.3685,

259.1254, 240.3574

0.0000

293.7929,
311.0424, 291.3286

■ 0.0000, 0.0000,
0.0000

■ 42.8930, 45.6670,
37.1258

■ 42.8930, 45.6670,
37.1258

■ 40.5703, 43.3340,
29.2222

■ 45.4919, 48.1591,
46.3325

■ 38.5085, 41.1490,
22.5586

■ 48.3742, 50.8090,
56.8956

■ 36.6963, 39.1085,
17.0715

■ 51.5514, 53.6233,
68.8687

■ 35.1200, 37.2066,
12.6899

■ 55.0333, 56.6062,
82.3020

■ 33.7644, 35.4369,
9.3356

■ 58.8292, 59.7619,
97.2429

■ 32.6125, 33.7921,
6.9200

■ 60.9887, 62.3106,
103.4204

■ 31.6442, 32.2637,
5.3392

■ 62.0717, 64.4766,
103.7814

■ 30.8286, 30.8389,
4.4311

■ 63.1850, 66.7031,
104.1525

■ 30.6804, 30.5739,
4.2843

■ 64.3286, 68.9905,
104.5338

Harmonies

Analogous

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



45.4066, 45.6670, 38.0538



42.8930, 45.6670, 37.1258



40.6056, 45.6670, 39.2991

Triad

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



42.8930, 45.6670, 37.1258



39.5936, 45.6670, 58.3787



48.0014, 45.6670, 55.5861

Complementary

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



42.8930, 45.6670, 37.1258



35.3237, 36.3406, 52.7298

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.



46.3305, 45.6670, 61.8455



42.8930, 45.6670, 37.1258



41.4633, 45.6670, 63.5641

Square

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



42.8930, 45.6670, 37.1258



38.7489, 45.6670, 51.2106



43.9213, 45.6670, 64.8905



48.4202, 45.6670, 48.2656

Rectangle

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



42.8930, 45.6670, 37.1258



39.4956, 45.6670, 42.3514



43.9213, 45.6670, 64.8905



47.5644, 45.6670, 57.9052

Sweetspot

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



42.8942, 45.6690, 37.1268



83.9604, 88.6922, 89.4558



38.8612, 36.4296, 39.3999



17.9782, 19.0013, 18.9566



90.7827, 95.5105, 104.0109



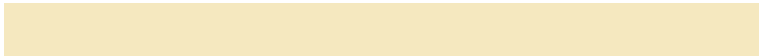
18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8942, 45.6690, 37.1268



75.8788, 80.9248, 60.8787



42.5225, 47.9432, 37.5853



10.1269, 10.7298, 10.1139



20.9479, 20.9345, 2.9367



0.8676, 0.9141, 0.1307

Inverse Universe

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



35.3237, 36.3406, 52.7298



59.4228, 60.6497, 94.8008



35.6353, 34.4766, 52.3536



9.1938, 9.5798, 12.0367



6.8474, 3.8064, 32.7667



0.3202, 0.2530, 1.3008

Previews

White Background



This preview shows how the XYZ color 42.8930, 45.6670, 37.1258 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 42.8930, 45.6670, 37.1258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

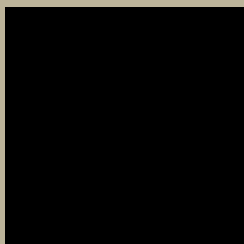
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

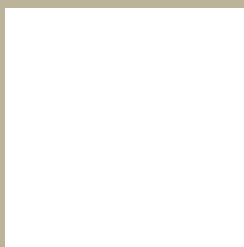
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8930, 45.6670, 37.1258

Background



This preview shows how black text looks on a background with the XYZ color 42.8930, 45.6670, 37.1258.



This preview shows how white text looks on a background with the XYZ color 42.8930, 45.6670,

37.1258.

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

42.8930, 45.6670, 37.1258

Protanopia

43.1403, 45.7944, 37.1373

Deuteranopia

46.3136, 45.3755, 37.3277



Tritanopia

46.5076, 45.6715, 54.5084

Trichromacy



Original Color

42.8930, 45.6670, 37.1258

Protanomaly

43.1403, 45.7944, 37.1373

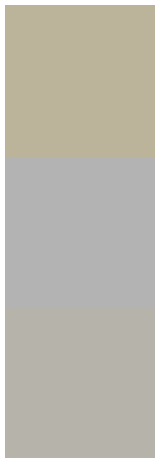
Deuteranomaly

44.9949, 45.5593, 37.4327

Tritanomaly

45.0445, 45.6552, 47.5125

Monochromacy



Original Color

42.8930, 45.6670, 37.1258

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6672, 45.0876, 44.4842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8930, 45.6670, 37.1258 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, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(188, 180, 154)  
}
```

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, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 180, 154) }
```

Border

The CSS property to change the border of an element to XYZ 42.8930, 45.6670, 37.1258 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, 180, 154) }
```


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

```
.border{ border-color:rgb(188, 180, 154) }
```

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

Here you see how a box with a 4 pixel rgb(188, 180, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 180, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 180, 154);  
box-shadow:4px 4px 4px 4px rgb(188, 180,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8930, 45.6670, 37.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 180, 154) }
```

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

```
.background{ background-color: rgb(188,  
180, 154) }
```

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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