

Converting Colors

XYZ(38.5043, 44.1737, 13.1936)

Have a look what the booklet for
XYZ(38.5043, 44.1737, 13.1936)
contains.

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Color

**XYZ(38.5329, 44.2471,
13.1663)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB54B
RGB	188, 181, 75
RGB Percent	74%, 71%, 29%
CMY	0.2627, 0.2902, 0.7059
CMYK	0.00, 0.04, 0.60, 0.26
HSL	56°, 46%, 52%
HSV	56°, 60%, 74%
XYZ	38.5329, 44.2471, 13.1663
YIQ	171.0090, 38.1980, -31.4820

Conversions

Conversions Part 2

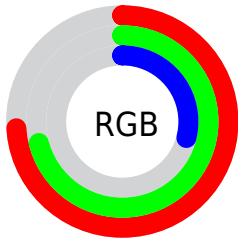
Format	Color
R _{YB}	82, 188, 75
Decimal	12367179
CIE Lab	72.39, -10.95, 53.50
CIE LCh	72, 54.611, 101.566
Yxy	44.2471, 0.4016, 0.4612
Android (android.graphics.Color)	4290557259 (0xFFBCB54B)
YUV	171.0090, -47.3324, 14.9011
Hunter-Lab	66.5185, -13.0057, 34.8274

Details

The XYZ color **38.5329, 44.2471, 13.1663** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.9961, 11.1611, 48.9406**, and the grayscale version is **38.9311, 40.9585, 44.6039**.

A 20% lighter version of the original color is **72.1865, 81.7197, 32.3909**, and **17.3524, 20.3909, 3.6374** is the 20% darker color. If you saturate the color by 10%, you get **37.7470, 43.5573, 10.1854**, and if you desaturate by 10%, it is **39.5130, 45.0210, 17.1508**.

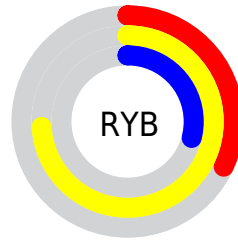
Distribution



Red (74%)

Green (71%)

Blue (29%)



Red (32%)

Yellow (74%)

Blue (29%)

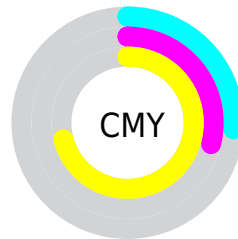


Cyan (0%)

Magenta (4%)

Yellow (60%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5329, 44.2471, 13.1663 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 38.5329, 44.2471, 13.1663 by changing the saturation by 10% instead.

■ 38.5329, 44.2471,
13.1663

■ 38.5329, 44.2471,
13.1663

331.1419,
363.7157, 223.2259

■ 26.5756, 30.8648,
7.4111

■ 72.2229, 81.5894,
32.2978

■ 17.3897, 20.4959,
3.6382

■ 94.6862, 106.3183,
46.5111

■ 10.6098, 12.7560,
1.4290

■ 121.3824,
135.5981, 64.3810

■ 5.8704, 7.2608,
0.1642

■ 152.6767,
169.8133, 86.3258

■ 2.8064, 3.6257,
0.0000

■ 188.9344,
209.3483, 112.7641

■ 1.0522, 1.4665,
0.0000

230.5209,

■ 0.0000, 0.2650,

254.5874, 144.1146

0.0000

277.8017,
305.9150, 180.7956

■ 0.0000, 0.0000,
0.0000

■ 38.5329, 44.2471,
13.1663

■ 38.5329, 44.2471,
13.1663

■ 37.7470, 43.5573,
10.1854

■ 39.5130, 45.0210,
17.1508

■ 37.1348, 42.9386,
8.1144

■ 40.6994, 45.8789,
22.2164

■ 36.6770, 42.3847,
6.8465

■ 42.1068, 46.8285,
28.4358

■ 36.3354, 41.8843,
6.1694

■ 43.7477, 47.8746,
35.8750

■ 45.6336, 49.0219,
44.5947

■ 47.7753, 50.2747,
54.6517

■ 50.1830, 51.6371,
66.0994

■ 52.8663, 53.1130,
78.9882

■ 55.8342, 54.7060,
93.3661

Harmonies

Analogous

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



48.0369, 44.2471, 13.8541



38.5329, 44.2471, 13.1663



31.1620, 44.2471, 18.8885

Triad

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



38.5329, 44.2471, 13.1663



29.9245, 44.2471, 91.3573



61.6502, 44.2471, 66.4800

Complementary

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



38.5329, 44.2471, 13.1663



14.9961, 11.1611, 48.9406

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.



55.2312, 44.2471, 98.2442



38.5329, 44.2471, 13.1663



36.5925, 44.2471, 115.9067

Square

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



38.5329, 44.2471, 13.1663



26.7102, 44.2471, 59.3256



45.7866, 44.2471, 118.8136



62.3765, 44.2471, 38.5216

Rectangle

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



38.5329, 44.2471, 13.1663



28.0733, 44.2471, 27.4858



45.7866, 44.2471, 118.8136



60.0466, 44.2471, 77.2841

Sweetspot

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



38.5339, 44.2492, 13.1672



79.8717, 87.1286, 67.7035



24.7987, 16.3413, 9.9372



16.9749, 18.6116, 13.6370



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.



38.5339, 44.2492, 13.1672



68.0380, 78.5834, 17.1384



29.9065, 41.9662, 13.1813



10.2703, 11.0166, 10.1617



24.7594, 28.5576, 4.2072



0.9853, 1.1495, 0.1699

Inverse Universe

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



14.9961, 11.1611, 48.9406



21.7018, 13.4867, 87.6856



19.9010, 12.9462, 49.0266



9.0627, 9.3176, 11.9930



6.2864, 2.6845, 32.5797



0.2626, 0.1380, 1.2816

Previews

White Background



This preview shows how the XYZ color 38.5329, 44.2471, 13.1663 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 38.5329, 44.2471, 13.1663 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 38.5329, 44.2471, 13.1663

Background



This preview shows how black text looks on a background with the XYZ color 38.5329, 44.2471, 13.1663.



This preview shows how white text looks on a background with the XYZ color 38.5329, 44.2471,

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

38.5329, 44.2471, 13.1663

Protanopia

40.4451, 44.3410, 12.9055

Deuteranopia

45.0783, 44.1416, 13.3520



Tritanopia

46.2107, 44.1741, 50.8906

Trichromacy



Original Color

38.5329, 44.2471, 13.1663

Protanomaly

39.6043, 44.2039, 12.9234

Deuteranomaly

42.2955, 43.8329, 13.2526

Tritanomaly

42.4182, 43.7551, 32.5954

Monochromacy



Original Color

38.5329, 44.2471, 13.1663

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9054, 41.7846, 29.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5329, 44.2471, 13.1663 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, 181, 75)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 75)  
}
```

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, 181, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 75) }
```

Border

The CSS property to change the border of an element to XYZ 38.5329, 44.2471, 13.1663 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, 181, 75) }
```


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

```
.border{ border-color:rgb(188, 181, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 75);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5329, 44.2471, 13.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 75) }
```

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

```
.background{ background-color: rgb(188,  
181, 75) }
```

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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