

Converting Colors

XYZ(37.6845, 48.2396, 14.5327)

Have a look what the booklet for
XYZ(37.6845, 48.2396, 14.5327)
contains.

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Color

**XYZ(37.6848, 48.2382,
14.5324)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC34E
RGB	171, 195, 78
RGB Percent	67%, 76%, 31%
CMY	0.3294, 0.2353, 0.6941
CMYK	0.12, 0.00, 0.60, 0.24
HSL	72°, 49%, 54%
HSV	72°, 60%, 76%
XYZ	37.6848, 48.2382, 14.5324
YIQ	174.4860, 23.2530, -41.4750

Conversions

Conversions Part 2

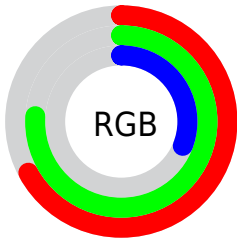
Format	Color
RYB	78, 195, 102
Decimal	11256654
CIELab	74.97, -24.81, 54.64
CIELCh	75, 60.014, 114.421
Yxy	48.2382, 0.3751, 0.4802
Android (android.graphics.Color)	4289446734 (0xFFABC34E)
YUV	174.4860, -47.5676, -3.0572
Hunter-Lab	69.4537, -24.6920, 36.2119

Details

The XYZ color **37.6848, 48.2382, 14.5324** is a dark color, and the websafe version is hex **CCCC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.0560, 12.2149, 53.0387**, and the grayscale version is **40.7124, 42.8326, 46.6447**.

A 20% lighter version of the original color is **70.9020, 87.7535, 34.6739**, and **16.8627, 22.8169, 4.2248** is the 20% darker color. If you saturate the color by 10%, you get **36.2288, 47.5584, 11.3406**, and if you desaturate by 10%, it is **39.3767, 49.0189, 18.8190**.

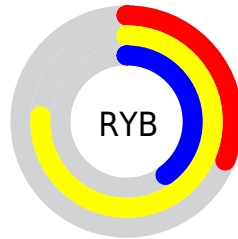
Distribution



Red (67%)

Green (76%)

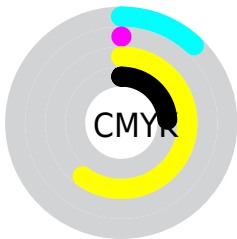
Blue (31%)



Red (31%)

Yellow (76%)

Blue (40%)

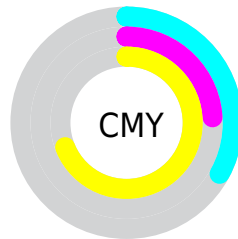


Cyan (12%)

Magenta (0%)

Yellow (60%)

Black (24%)



Cyan (33%)

Magenta (24%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6848, 48.2382, 14.5324 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 37.6848, 48.2382, 14.5324 by changing the saturation by 10% instead.

■ 37.6848, 48.2382,
14.5324

■ 37.6848, 48.2382,
14.5324

327.5702,
379.7355, 232.0607

■ 25.9142, 34.0156,
8.3489

■ 70.9318, 87.5590,
34.7614

■ 16.8918, 22.9056,
4.2281

■ 93.1389, 113.4259,
49.6440

■ 10.2522, 14.5238,
1.7513

■ 119.5556,
143.9430, 68.2633

■ 5.6301, 8.4859,
0.3955

■ 150.5473,
179.4947, 91.0380

■ 2.6600, 4.4074,
0.0000

■ 186.4792,
220.4654, 118.3865

■ 0.9766, 1.9040,
0.0000

227.7167,

■ 0.0000, 0.5508,

267.2395, 150.7275

0.0000

274.6253,
320.2014, 188.4793

■ 0.0000, 0.0000,
0.0000

■ 37.6848, 48.2382,
14.5324

■ 37.6848, 48.2382,
14.5324

■ 36.2288, 47.5584,
11.3406

■ 39.3767, 49.0189,
18.8190

■ 34.9862, 46.9652,
9.1409

■ 41.3181, 49.9007,
24.2851

■ 33.9355, 46.4517,
7.8163

■ 43.5251, 50.8919,
31.0102

■ 33.0330, 46.0005,
7.1380

■ 46.0117, 51.9981,
39.0664

■ 33.0329, 46.0005,
7.1380

■ 48.7908, 53.2244,
48.5202

■ 51.8742, 54.5756,
59.4335

■ 55.2734, 56.0563,
71.8649

■ 58.9990, 57.6708,
85.8693

■ 63.0612, 59.4232,
101.4993

Harmonies

Analogous

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



47.9260, 48.2382, 12.4695



37.6848, 48.2382, 14.5324



30.7707, 48.2382, 24.6755

Triad

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



37.6848, 48.2382, 14.5324



34.6594, 48.2382, 118.3971



70.1533, 48.2382, 58.6048

Complementary

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



37.6848, 48.2382, 14.5324



18.0560, 12.2149, 53.0387

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.



65.1894, 48.2382, 95.9879



37.6848, 48.2382, 14.5324



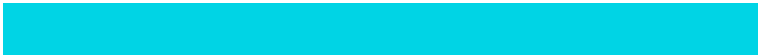
43.8328, 48.2382, 138.2744

Square

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



37.6848, 48.2382, 14.5324



29.2285, 48.2382, 81.5994



55.1145, 48.2382, 128.7617



67.8114, 48.2382, 31.3327

Rectangle

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



37.6848, 48.2382, 14.5324



28.4140, 48.2382, 37.9388



55.1145, 48.2382, 128.7617



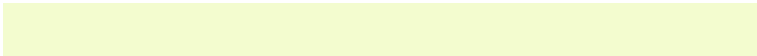
69.2626, 48.2382, 70.4350

Sweetspot

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



37.6859, 48.2404, 14.5334



83.2214, 93.4865, 72.6957



28.5752, 21.5388, 9.8597



17.9178, 20.3367, 14.8985



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.6859, 48.2404, 14.5334



64.1497, 84.8256, 18.9005



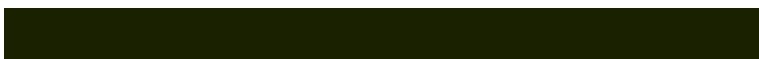
27.7149, 43.1001, 14.0668



10.7045, 11.6507, 10.7465



21.5392, 29.9327, 4.6424



0.9830, 1.3203, 0.2030

Inverse Universe

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



18.0560, 12.2149, 53.0387



26.0572, 14.7103, 93.9358



27.0536, 16.8533, 53.4598



9.7171, 9.8453, 12.6730



7.0281, 2.8836, 33.7428



0.3618, 0.1545, 1.4606

Previews

White Background



This preview shows how the XYZ color 37.6848, 48.2382, 14.5324 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 37.6848, 48.2382, 14.5324 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 37.6848, 48.2382, 14.5324

Background



This preview shows how black text looks on a background with the XYZ color 37.6848, 48.2382, 14.5324.



This preview shows how white text looks on a background with the XYZ color 37.6848, 48.2382,

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

37.6848, 48.2382, 14.5324

Protanopia

43.5873, 47.7681, 13.5795

Deuteranopia

48.9251, 47.7940, 15.0340



Tritanopia

46.7787, 48.0885, 59.6398

Trichromacy



Original Color

37.6848, 48.2382, 14.5324

Protanomaly

41.2800, 47.8257, 13.8931

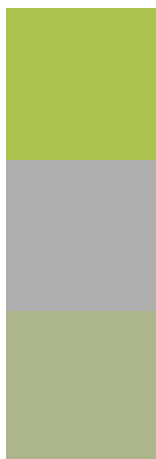
Deuteranomaly

43.9831, 47.3305, 14.8002

Tritanomaly

42.1935, 47.4574, 37.5082

Monochromacy



Original Color

37.6848, 48.2382, 14.5324

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6217, 44.2042, 30.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6848, 48.2382, 14.5324 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(171, 195, 78)` looks like.

```
.text, #text, p{  
    color:rgb(171, 195, 78)  
}
```

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(171, 195, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 195, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.6848, 48.2382, 14.5324 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(171, 195, 78) }
```


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

```
.border{ border-color:rgb(171, 195, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 195, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 195, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 195, 78);  
box-shadow:4px 4px 4px 4px rgb(171, 195,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6848, 48.2382, 14.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 195, 78) }
```

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

```
.background{ background-color: rgb(171,  
195, 78) }
```

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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