

Converting Colors

XYZ(38.1132, 49.7618, 9.0341)

Have a look what the booklet for
XYZ(38.1132, 49.7618, 9.0341)
contains.

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Color

**XYZ(37.9242, 49.4966,
8.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC621
RGB	174, 198, 33
RGB Percent	68%, 78%, 13%
CMY	0.3176, 0.2235, 0.8706
CMYK	0.12, 0.00, 0.83, 0.22
HSL	69°, 71%, 45%
HSV	69°, 83%, 78%
XYZ	37.9242, 49.4966, 8.9938
YIQ	172.0140, 38.6610, -56.4030

Conversions

Conversions Part 2

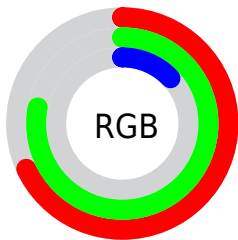
Format	Color
RYB	33, 198, 57
Decimal	11453985
CIELab	75.76, -27.42, 71.10
CIELCh	76, 76.207, 111.086
Yxy	49.4966, 0.3933, 0.5134
Android (android.graphics.Color)	4289644065 (0xFFAEC621)
YUV	172.0140, -68.5339, 1.7417
Hunter-Lab	70.3538, -26.8988, 41.6682

Details

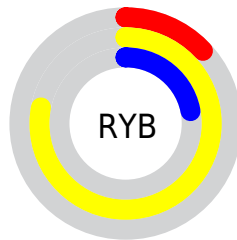
The XYZ color **37.9242, 49.4966, 8.9938** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.4258, 6.0359, 53.9391**, and the grayscale version is **39.5437, 41.6031, 45.3057**.

A 20% lighter version of the original color is **71.4756, 89.6882, 24.6107**, and **17.3094, 23.7284, 3.6677** is the 20% darker color. If you saturate the color by 10%, you get **37.0897, 49.0913, 7.9086**, and if you desaturate by 10%, it is **38.9377, 49.9787, 10.9398**.

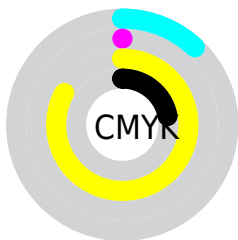
Distribution



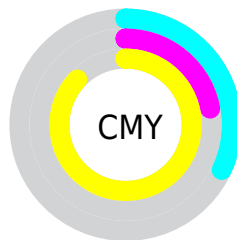
- Red (68%)
- Green (78%)
- Blue (13%)



- Red (13%)
- Yellow (78%)
- Blue (22%)



- Cyan (12%)
- Magenta (0%)
- Yellow (83%)
- Black (22%)



- Cyan (32%)
- Magenta (22%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9242, 49.4966, 8.9938 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 37.9242, 49.4966, 8.9938 by changing the saturation by 10% instead.

■ 37.9242, 49.4966,
8.9938

■ 37.9242, 49.4966,
8.9938

328.5812,
384.6941, 193.5480

■ 26.1008, 35.0136,
4.6404

■ 71.2966, 89.4286,
24.4624

■ 17.0321, 23.6733,
1.9828

■ 93.5763, 115.6463,
36.4147

■ 10.3529, 15.0915,
0.5447

■ 120.0722,
146.5444, 51.7370

■ 5.6976, 8.8836,
0.0000

■ 151.1495,
182.5072, 70.8479

■ 2.7010, 4.6653,
0.0000

■ 187.1738,
223.9192, 94.1659

■ 0.9977, 2.0523,
0.0000

■ 228.5102,

■ 0.0000, 0.6376,

271.1648, 122.1096

0.0000

275.5242,
324.6283, 155.0974

■ 0.0000, 0.0000,
0.0000

■ 37.9242, 49.4966,
8.9938

■ 37.9242, 49.4966,
8.9938

■ 37.0897, 49.0913,
7.9086

■ 38.9377, 49.9787,
10.9398

■ 36.5998, 48.8472,
7.4994

■ 40.1517, 50.5409,
13.8748

■ 41.5883, 51.1937,
17.9089

■ 43.2655, 51.9443,
23.1367

■ 45.1994, 52.7993,
29.6428

■ 47.4046, 53.7644,
37.5039

■ 49.8948, 54.8452,
46.7910

■ 52.6825, 56.0466,
57.5699

■ 55.7795, 57.3734,
69.9023

Harmonies

Analogous

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



51.3859, 49.4966, 7.7595



37.9242, 49.4966, 8.9938



28.8996, 49.4966, 18.2818

Triad

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



37.9242, 49.4966, 8.9938



31.9472, 49.4966, 140.0410



79.3485, 49.4966, 66.8846

Complementary

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



37.9242, 49.4966, 8.9938



12.4258, 6.0359, 53.9391

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.



71.5348, 49.4966, 119.1101



37.9242, 49.4966, 8.9938



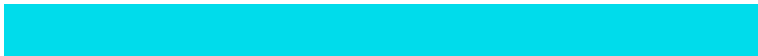
42.9558, 49.4966, 173.2552

Square

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



37.9242, 49.4966, 8.9938



25.9603, 49.4966, 87.0482



57.5222, 49.4966, 164.1113



77.2527, 49.4966, 30.4497

Rectangle

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



37.9242, 49.4966, 8.9938



25.7239, 49.4966, 32.3849



57.5222, 49.4966, 164.1113



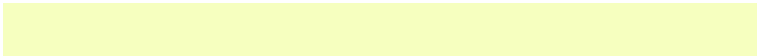
77.7443, 49.4966, 83.2856

Sweetspot

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



37.9253, 49.4989, 8.9948



83.1012, 94.8358, 63.3598



24.9312, 14.8494, 2.9917



17.4847, 20.1665, 12.4773



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.



37.9253, 49.4989, 8.9948



64.6437, 86.4101, 13.2717



25.0355, 42.8539, 8.3916



11.3664, 12.3358, 11.3447



23.8566, 31.7938, 4.8794



1.1721, 1.5274, 0.2330

Inverse Universe

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



12.4258, 6.0359, 53.9391



18.8165, 7.6152, 95.0859



21.1374, 10.5269, 54.3468



10.1979, 10.3603, 13.3797



6.9994, 2.8426, 34.9241



0.3789, 0.1591, 1.6559

Previews

White Background



This preview shows how the XYZ color 37.9242, 49.4966, 8.9938 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 37.9242, 49.4966, 8.9938 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 37.9242, 49.4966, 8.9938

Background



This preview shows how black text looks on a background with the XYZ color 37.9242, 49.4966, 8.9938.



This preview shows how white text looks on a background with the XYZ color 37.9242, 49.4966,

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

37.9242, 49.4966, 8.9938

Protanopia

44.5830, 49.3360, 8.4013

Deuteranopia

50.1470, 49.1340, 9.4255



Tritanopia

48.4356, 49.2233, 60.9811

Trichromacy



Original Color

37.9242, 49.4966, 8.9938

Protanomaly

41.9041, 49.2308, 8.5902

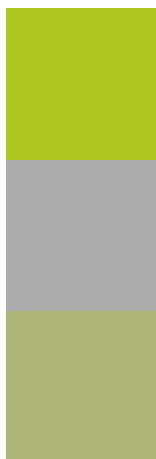
Deuteranomaly

44.9006, 48.8551, 9.1613

Tritanomaly

42.6250, 48.4496, 31.5312

Monochromacy



Original Color

37.9242, 49.4966, 8.9938

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.2086, 43.3125, 24.4882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9242, 49.4966, 8.9938 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(174, 198, 33)` looks like.

```
.text, #text, p{  
    color:rgb(174, 198, 33)  
}
```

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(174, 198, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 198, 33) }
```

Border

The CSS property to change the border of an element to XYZ 37.9242, 49.4966, 8.9938 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(174, 198, 33) }
```


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

```
.border{ border-color:rgb(174, 198, 33) }
```

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

Here you see how a box with a 4 pixel rgb(174, 198, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 198, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 198, 33);  
box-shadow:4px 4px 4px 4px rgb(174, 198,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9242, 49.4966, 8.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 198, 33) }
```

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

```
.background{ background-color: rgb(174,  
198, 33) }
```

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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