

# Converting Colors

XYZ(41.4328, 53.3173, 12.5542)

Have a look what the booklet for  
XYZ(41.4328, 53.3173, 12.5542)  
contains.

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# Color

**XYZ(41.4912, 53.3464,  
12.5249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5CC3D
RGB	181, 204, 61
RGB Percent	71%, 80%, 24%
CMY	0.2902, 0.2000, 0.7608
CMYK	0.11, 0.00, 0.70, 0.20
HSL	70°, 58%, 52%
HSV	70°, 70%, 80%
XYZ	41.4912, 53.3464, 12.5249
YIQ	180.8210, 32.1950, -49.3490

# Conversions

## Conversions Part 2

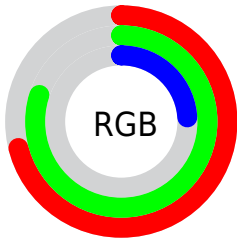
Format	Color
<b>RYB</b>	61, 204, 84
Decimal	11914301
CIELab	78.08, -26.22, 64.94
CIElCh	78, 70.031, 111.987
Yxy	53.3464, 0.3865, 0.4969
Android (android.graphics.Color)	4290104381 (0xFFB5CC3D)
YUV	180.8210, -59.0718, 0.1570
Hunter-Lab	73.0386, -26.4167, 40.9598

# Details

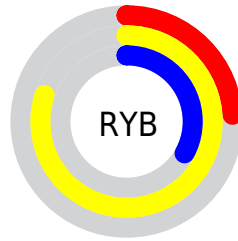
The XYZ color **41.4912, 53.3464, 12.5249** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **16.2258, 9.5832, 58.1245**, and the grayscale version is **44.1225, 46.4203, 50.5517**.

A 20% lighter version of the original color is **74.9061, 91.3296, 30.5100**, and **19.2185, 26.0978, 4.0245** is the 20% darker color. If you saturate the color by 10%, you get **40.2828, 52.7771, 10.1257**, and if you desaturate by 10%, it is **42.9292, 54.0135, 16.0275**.

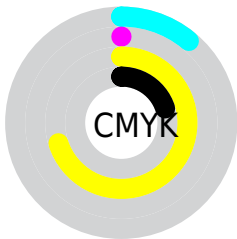
# Distribution



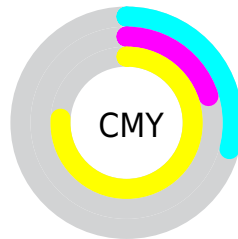
- Red (71%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (33%)



- Cyan (11%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4912, 53.3464, 12.5249 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 41.4912, 53.3464, 12.5249 by changing the saturation by 10% instead.



■ 41.4912, 53.3464,  
12.5249

■ 41.4912, 53.3464,  
12.5249

343.3970,  
399.6127, 218.9498

■ 28.8925, 38.0794,  
6.9754

■ 76.6990, 95.1139,  
31.1261

■ 19.1434, 26.0443,  
3.3685

■ 100.0388,  
122.3832, 45.0149

■ 11.8785, 16.8568,  
1.2857

■ 127.6896,  
154.4219, 62.5205

■ 6.7326, 10.1324,  
0.0500

■ 160.0168,  
191.6147, 84.0615

■ 3.3403, 5.4869,  
0.0000

■ 197.3859,  
234.3457, 110.0563

■ 1.3362, 2.5357,  
0.0000

240.1620,

■ 0.2100, 0.8944,

282.9995, 140.9237

0.0000

288.7106,  
337.9603, 177.0820

■ 0.0000, 0.0000,  
0.0000

■ 41.4912, 53.3464,  
12.5249

■ 41.4912, 53.3464,  
12.5249

■ 40.2828, 52.7771,  
10.1257

■ 42.9292, 54.0135,  
16.0275

■ 39.2749, 52.2882,  
8.6940

■ 44.6144, 54.7796,  
20.7420

■ 38.4290, 51.8669,  
7.9859

■ 46.5667, 55.6548,  
26.7675

■ 48.8031, 56.6456,  
34.1922

■ 51.3389, 57.7584,  
43.0964

■ 54.1884, 58.9989,  
53.5545

■ 57.3647, 60.3722,  
65.6358

■ 60.8805, 61.8835,  
79.4056

■ 64.7476, 63.5376,  
94.9252

# Harmonies

## Analogous

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



54.4549, 53.3464, 10.8975



41.4912, 53.3464, 12.5249



32.6956, 53.3464, 22.9803

# Triad

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



41.4912, 53.3464, 12.5249



36.1859, 53.3464, 139.8085



81.4192, 53.3464, 69.2165

# Complementary

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



41.4912, 53.3464, 12.5249



16.2258, 9.5832, 58.1245

# 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.



74.3449, 53.3464, 117.8280



41.4912, 53.3464, 12.5249



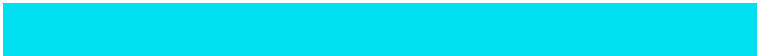
47.1297, 53.3464, 168.9739

# Square

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



41.4912, 53.3464, 12.5249



30.0378, 53.3464, 91.0507



61.1889, 53.3464, 159.5028



79.1720, 53.3464, 34.2257



# Rectangle

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



41.4912, 53.3464, 12.5249



29.6005, 53.3464, 37.7882



61.1889, 53.3464, 159.5028



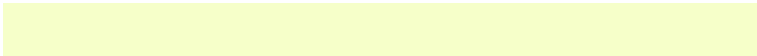
80.0135, 53.3464, 84.5943

# Sweetspot

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



41.4924, 53.3488, 12.5260



84.4969, 95.4208, 69.5009



28.7974, 19.2785, 6.6189



17.8270, 20.3106, 13.9568



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.



41.4924, 53.3488, 12.5260



65.8356, 86.9787, 15.3982



28.9990, 46.9082, 11.9413



11.9697, 13.0018, 11.9582



24.2524, 32.6779, 5.0292



1.2998, 1.7109, 0.2617



# Inverse Universe

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



16.2258, 9.5832, 58.1245



21.7581, 10.2984, 95.4488



25.8866, 14.5635, 58.5766



10.7671, 10.9292, 14.1124



7.3032, 2.9725, 36.1451



0.4309, 0.1813, 1.8672



# Previews

## White Background



This preview shows how the XYZ color 41.4912, 53.3464, 12.5249 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 41.4912, 53.3464, 12.5249 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 41.4912, 53.3464, 12.5249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4912, 53.3464, 12.5249.



This preview shows how white text looks on a background with the XYZ color 41.4912, 53.3464,



# 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

41.4912, 53.3464, 12.5249

### Protanopia

48.1526, 53.0443, 11.7037

### Deuteranopia

54.2833, 52.9974, 12.9987



## Tritanopia

52.0597, 52.8852, 65.8566

# Trichromacy



## Original Color

41.4912, 53.3464, 12.5249

## Protanomaly

45.3843, 52.9448, 11.9650

## Deuteranomaly

48.8276, 52.7150, 12.7558

## Tritanomaly

46.5001, 52.2773, 37.7767

# Monochromacy



## Original Color

41.4912, 53.3464, 12.5249

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

41.7690, 48.0251, 30.7352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4912, 53.3464, 12.5249 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(181, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(181, 204, 61)  
}
```

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(181, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 204, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4912, 53.3464, 12.5249 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(181, 204, 61) }
```



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

```
.border{ border-color:rgb(181, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(181, 204,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4912, 53.3464, 12.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 204, 61) }
```

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

```
.background{ background-color: rgb(181,  
204, 61) }
```

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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