

# Converting Colors

XYZ(44.2220, 60.2572, 14.9108)

Have a look what the booklet for  
XYZ(44.2220, 60.2572, 14.9108)  
contains.

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# Color

**XYZ(44.3102, 60.3228,  
14.9383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DB45
RGB	176, 219, 69
RGB Percent	69%, 86%, 27%
CMY	0.3098, 0.1412, 0.7294
CMYK	0.20, 0.00, 0.68, 0.14
HSL	77°, 68%, 56%
HSV	77°, 68%, 86%
XYZ	44.3102, 60.3228, 14.9383
YIQ	189.0430, 22.5220, -55.7660

# Conversions

## Conversions Part 2

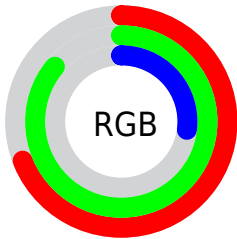
Format	Color
<b>RYB</b>	69, 219, 112
Decimal	11590469
CIELab	82.01, -34.77, 65.84
CIELCh	82, 74.456, 117.843
Yxy	60.3228, 0.3706, 0.5045
Android (android.graphics.Color)	4289780549 (0xFFB0DB45)
YUV	189.0430, -59.1812, -11.4387
Hunter-Lab	77.6678, -34.0826, 42.9638

# Details

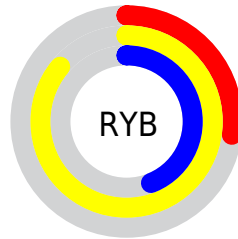
The XYZ color **44.3102, 60.3228, 14.9383** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **21.5987, 12.8171, 68.3569**, and the grayscale version is **48.7149, 51.2519, 55.8133**.

A 20% lighter version of the original color is **73.7226, 90.6628, 33.0161**, and **20.8832, 30.4729, 4.7812** is the 20% darker color. If you saturate the color by 10%, you get **42.3653, 59.3867, 11.9303**, and if you desaturate by 10%, it is **46.5744, 61.3984, 19.2726**.

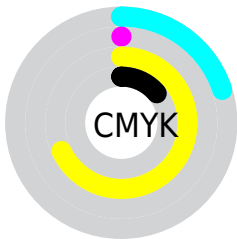
# Distribution



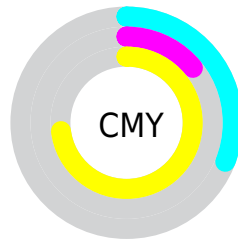
- Red (69%)
- Green (86%)
- Blue (27%)



- Red (27%)
- Yellow (86%)
- Blue (44%)



- Cyan (20%)
- Magenta (0%)
- Yellow (68%)
- Black (14%)



- Cyan (31%)
- Magenta (14%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3102, 60.3228, 14.9383 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 44.3102, 60.3228, 14.9383 by changing the saturation by 10% instead.



■ 44.3102, 60.3228,  
14.9383

■ 44.3102, 60.3228,  
14.9383

354.8035,  
425.7866, 234.6204

■ 31.1134, 43.6789,  
8.6300

■ 80.9278, 105.2978,  
35.4857

■ 20.8375, 30.4181,  
4.4071

■ 105.0793,  
134.3976, 50.5618

■ 13.1170, 20.1562,  
1.8512

■ 133.6130,  
168.4183, 69.3976

■ 7.5867, 12.5086,  
0.4614

■ 166.8944,  
207.7440, 92.4115

■ 3.8812, 7.0911,  
0.0000

■ 205.2888,  
252.7593, 120.0223

■ 1.6352, 3.5191,  
0.0000

249.1616,

■ 0.4152, 1.4084,

303.8486, 152.6483

0.0000

298.8780,  
361.3962, 190.7081

■ 0.0000, 0.2229,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.3102, 60.3228,  
14.9383

■ 44.3102, 60.3228,  
14.9383

■ 42.3653, 59.3867,  
11.9303

■ 46.5744, 61.3984,  
19.2726

■ 40.7054, 58.5700,  
10.0910

■ 49.1793, 62.6159,  
25.0597

■ 39.2874, 57.8574,  
9.1918

■ 52.1488, 63.9870,  
32.4157

■ 39.0849, 57.7552,  
9.0879

■ 55.5036, 65.5201,  
41.4440

■ 59.2623, 67.2228,  
52.2391

■ 63.4423, 69.1020,  
64.8883

■ 68.0598, 71.1644,  
79.4733

■ 73.1304, 73.4162,  
96.0710

■ 76.8274, 75.1270,  
105.0595

# Harmonies

## Analogous

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



58.4836, 60.3228, 11.5169



44.3102, 60.3228, 14.9383



35.3099, 60.3228, 29.4623

# Triad

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



44.3102, 60.3228, 14.9383



42.6667, 60.3228, 170.0050



93.2759, 60.3228, 69.0034

# Complementary

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



44.3102, 60.3228, 14.9383



21.5987, 12.8171, 68.3569

# 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.



87.0184, 60.3228, 123.5723



44.3102, 60.3228, 14.9383



56.2016, 60.3228, 196.2410

# Square

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



44.3102, 60.3228, 14.9383



34.4904, 60.3228, 115.1459



72.6906, 60.3228, 176.2398



88.5339, 60.3228, 32.9049



# Rectangle

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



44.3102, 60.3228, 14.9383



32.5131, 60.3228, 49.0422



72.6906, 60.3228, 176.2398



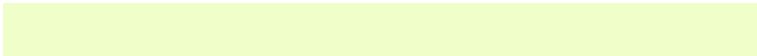
92.3682, 60.3228, 85.7132

# Sweetspot

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



44.3116, 60.3255, 14.9396



82.1711, 94.2218, 69.3920



36.0290, 26.9700, 8.9379



17.2686, 20.0228, 13.9307



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.



44.3116, 60.3255, 14.9396



58.7699, 83.3253, 15.5603



31.8308, 53.8914, 14.3555



13.7795, 15.0666, 13.9075



23.2872, 34.3025, 5.3937



1.5920, 2.2653, 0.3533



# Inverse Universe

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



21.5987, 12.8171, 68.3569



24.9491, 12.2211, 95.6517



35.2879, 19.8741, 68.9976



12.6876, 12.7971, 16.4535



8.8829, 3.7035, 39.9851



0.6595, 0.2833, 2.5944



# Previews

## White Background



This preview shows how the XYZ color 44.3102, 60.3228, 14.9383 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 44.3102, 60.3228, 14.9383 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 44.3102, 60.3228, 14.9383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3102, 60.3228, 14.9383.



This preview shows how white text looks on a background with the XYZ color 44.3102, 60.3228,



# 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

44.3102, 60.3228, 14.9383

### Protanopia

54.5419, 60.0614, 13.7194

### Deuteranopia

60.9531, 59.5726, 15.4938



## Tritanopia

56.8748, 60.2206, 77.0327

# Trichromacy



## Original Color

44.3102, 60.3228, 14.9383

## Protanomaly

50.0783, 59.5496, 14.0091

## Deuteranomaly

53.4419, 58.7566, 15.1811

## Tritanomaly

50.4230, 59.4112, 44.8863

# Monochromacy



## Original Color

44.3102, 60.3228, 14.9383

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

45.5323, 53.5432, 34.7231

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3102, 60.3228, 14.9383 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(176, 219, 69)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 69)  
}
```

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(176, 219, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3102, 60.3228, 14.9383 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(176, 219, 69) }
```



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

```
.border{ border-color:rgb(176, 219, 69) }
```

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

Here you see how a box with a 4 pixel rgb(176, 219, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 219, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 219, 69);  
box-shadow:4px 4px 4px 4px rgb(176, 219,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3102, 60.3228, 14.9383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 69) }
```

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

```
.background{ background-color: rgb(176,  
219, 69) }
```

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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