

# Converting Colors

XYZ(42.0161, 56.6813, 13.9869)

Have a look what the booklet for  
XYZ(42.0161, 56.6813, 13.9869)  
contains.

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# Color

**XYZ(42.0409, 56.8780,  
14.0729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADD543
RGB	173, 213, 67
RGB Percent	68%, 84%, 26%
CMY	0.3216, 0.1647, 0.7372
CMYK	0.19, 0.00, 0.69, 0.16
HSL	76°, 63%, 55%
HSV	76°, 69%, 84%
XYZ	42.0409, 56.8780, 14.0729
YIQ	184.3960, 23.0260, -53.8860

# Conversions

## Conversions Part 2

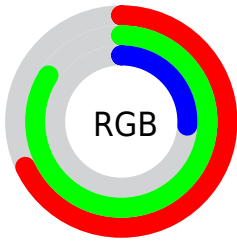
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 213, 107
Decimal	11392323
CIELab	80.11, -33.31, 64.59
CIElCh	80, 72.672, 117.281
Yxy	56.8780, 0.3721, 0.5034
Android (android.graphics.Color)	4289582403 (0xFFADD543)
YUV	184.3960, -57.8762, -9.9943
Hunter-Lab	75.4175, -32.4772, 41.7287

# Details

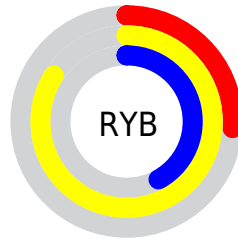
The XYZ color **42.0409, 56.8780, 14.0729** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.0830, 11.9457, 64.2015**, and the grayscale version is **46.0820, 48.4819, 52.7967**.

A 20% lighter version of the original color is **72.2901, 89.9390, 32.2888**, and **19.5630, 28.2356, 4.4189** is the 20% darker color. If you saturate the color by 10%, you get **40.2536, 56.0192, 11.2455**, and if you desaturate by 10%, it is **44.1222, 57.8649, 18.1425**.

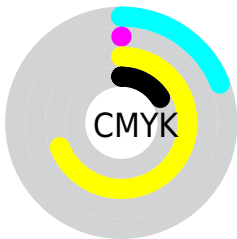
# Distribution



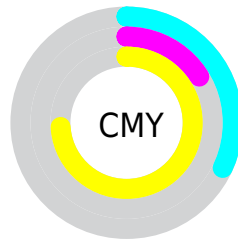
- Red (68%)
- Green (84%)
- Blue (26%)



- Red (26%)
- Yellow (84%)
- Blue (42%)



- Cyan (19%)
- Magenta (0%)
- Yellow (69%)
- Black (16%)



- Cyan (32%)
- Magenta (16%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0409, 56.8780, 14.0729 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 42.0409, 56.8780, 14.0729 by changing the saturation by 10% instead.



■ 42.0409, 56.8780,  
14.0729

■ 42.0409, 56.8780,  
14.0729

345.6412,  
412.9920, 229.1281

■ 29.3246, 40.9073,  
8.0321

■ 77.5263, 100.2872,  
33.9373

■ 19.4720, 28.2467,  
4.0274

■ 101.0261,  
128.4944, 48.5980

■ 12.1179, 18.5117,  
1.6404

■ 128.8510,  
161.5493, 66.9689

■ 6.8968, 11.3180,  
0.3194

■ 161.3666,  
199.8362, 89.4688

■ 3.4434, 6.2811,  
0.0000

■ 198.9380,  
243.7395, 116.5161

■ 1.3923, 3.0168,  
0.0000

241.9306,

■ 0.2508, 1.1405,

293.6437, 148.5294

0.0000

290.7099,  
349.9330, 185.9272

■ 0.0000, 0.0123,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.0409, 56.8780,  
14.0729

■ 42.0409, 56.8780,  
14.0729

■ 40.2536, 56.0192,  
11.2455

■ 44.1222, 57.8649,  
18.1425

■ 38.7284, 55.2697,  
9.5133


■ 46.5172, 58.9819,  
23.5725


■ 37.4243, 54.6150,  
8.6584


■ 49.2485, 60.2401,  
30.4712

■ 37.2440, 54.5240,  
8.5612


■ 52.3350, 61.6470,  
38.9353

 55.7940, 63.2099,  
49.0531

 59.6419, 64.9352,  
60.9061

 63.8936, 66.8290,  
74.5709

 68.5635, 68.8971,  
90.1190

 73.0619, 70.9037,  
104.4428

# Harmonies

## Analogous

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



55.4216, 56.8780, 10.9895



42.0409, 56.8780, 14.0729



33.4836, 56.8780, 27.5044

# Triad

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



42.0409, 56.8780, 14.0729



40.0950, 56.8780, 158.8855



87.7493, 56.8780, 65.8764

# Complementary

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



42.0409, 56.8780, 14.0729



20.0830, 11.9457, 64.2015

# 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.



81.7033, 56.8780, 117.2359



42.0409, 56.8780, 14.0729



52.7225, 56.8780, 184.1763

# Square

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



42.0409, 56.8780, 14.0729



32.5126, 56.8780, 107.2872



68.1778, 56.8780, 166.2394



83.4935, 56.8780, 31.5881



# Rectangle

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



42.0409, 56.8780, 14.0729



30.7867, 56.8780, 45.6678



68.1778, 56.8780, 166.2394



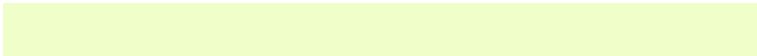
86.8326, 56.8780, 81.6573

# Sweetspot

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



42.0422, 56.8805, 14.0741



82.4018, 94.3408, 69.4028



33.6030, 24.8475, 8.3359



17.3239, 20.0513, 13.9332



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.



42.0422, 56.8805, 14.0741



59.4620, 83.6821, 15.5927



30.1836, 50.7672, 13.5191



13.1256, 14.3409, 13.2370



22.8518, 33.3569, 5.2341



1.4560, 2.0520, 0.3193



# Inverse Universe

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



20.0830, 11.9457, 64.2015



24.6391, 12.0613, 95.6372



32.5945, 18.3956, 64.7870



12.0588, 12.1717, 15.6513



8.5002, 3.5345, 38.6874



0.5924, 0.2543, 2.3372



# Previews

## White Background



This preview shows how the XYZ color 42.0409, 56.8780, 14.0729 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 42.0409, 56.8780, 14.0729 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 42.0409, 56.8780, 14.0729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0409, 56.8780, 14.0729.



This preview shows how white text looks on a background with the XYZ color 42.0409, 56.8780,



# 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

42.0409, 56.8780, 14.0729

### Protanopia

51.2155, 56.2766, 12.8658

### Deuteranopia

57.6455, 56.2624, 14.6590



## Tritanopia

53.6754, 56.5720, 72.3805

# Trichromacy



## Original Color

42.0409, 56.8780, 14.0729

## Protanomaly

47.1832, 55.9194, 13.1572

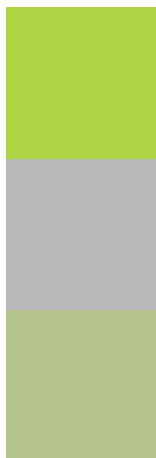
## Deuteranomaly

50.6841, 55.6292, 14.3695

## Tritanomaly

47.5543, 55.8262, 41.9874

# Monochromacy



## Original Color

42.0409, 56.8780, 14.0729

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

43.1452, 50.6566, 32.7030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0409, 56.8780, 14.0729 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(173, 213, 67)` looks like.

```
.text, #text, p{  
    color:rgb(173, 213, 67)  
}
```

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(173, 213, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 213, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0409, 56.8780, 14.0729 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(173, 213, 67) }
```



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

```
.border{ border-color:rgb(173, 213, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 213, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 213, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 213, 67);  
box-shadow:4px 4px 4px 4px rgb(173, 213,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0409, 56.8780, 14.0729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 213, 67) }
```

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

```
.background{ background-color: rgb(173,  
213, 67) }
```

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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