

# Converting Colors

XYZ(40.2294, 58.9796, 15.7425)

Have a look what the booklet for  
XYZ(40.2294, 58.9796, 15.7425)  
contains.

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# Color

**XYZ(40.2294, 58.9796,  
15.7425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99DD4A
RGB	153, 221, 74
RGB Percent	60%, 87%, 29%
CMY	0.4000, 0.1333, 0.7098
CMYK	0.31, 0.00, 0.67, 0.13
HSL	88°, 68%, 58%
HSV	88°, 67%, 87%
XYZ	40.2294, 58.9796, 15.7425
YIQ	183.9100, 6.6590, -60.1330

# Conversions

## Conversions Part 2

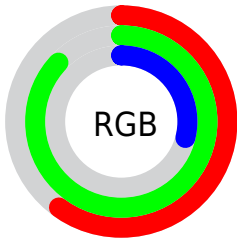
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 221, 142
Decimal	10083658
CIELab	81.28, -43.90, 62.75
CIELCh	81, 76.587, 124.977
Yxy	58.9796, 0.3500, 0.5131
Android (android.graphics.Color)	4288273738 (0xFF99DD4A)
YUV	183.9100, -54.1856, -27.1081
Hunter-Lab	76.7982, -40.8927, 41.6051

# Details

The XYZ color **40.2294, 58.9796, 15.7425** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **26.6579, 15.8706, 70.0682**, and the grayscale version is **45.7990, 48.1842, 52.4725**.

A 20% lighter version of the original color is **66.5864, 86.9539, 34.0432**, and **18.2845, 29.3993, 4.7396** is the 20% darker color. If you saturate the color by 10%, you get **37.7643, 57.7821, 12.4002**, and if you desaturate by 10%, it is **43.1241, 60.3721, 20.4719**.

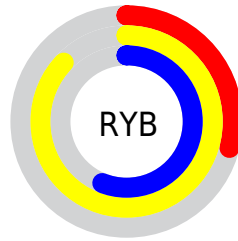
# Distribution



Red (60%)

Green (87%)

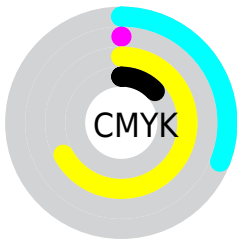
Blue (29%)



Red (29%)

Yellow (87%)

Blue (56%)

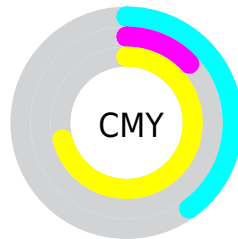


Cyan (31%)

Magenta (0%)

Yellow (67%)

Black (13%)



Cyan (40%)

Magenta (13%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2294, 58.9796, 15.7425 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 40.2294, 58.9796, 15.7425 by changing the saturation by 10% instead.





 40.2294, 58.9796,  
15.7425


 40.2294, 58.9796,  
15.7425


338.2074,  
420.8263, 239.6110


 27.9025, 42.5967,  
9.1897


 74.7948, 103.3480,  
36.9111


 18.3922, 29.5688,  
4.7667


 97.7640, 132.1023,  
52.3641


 11.3333, 19.5115,  
2.0547


 125.0114,  
165.7492, 71.6209

 6.3604, 12.0405,  
0.5886

 156.9022,  
204.6731, 95.1000

 3.1082, 6.7713,  
0.0000

 193.8018,  
249.2583, 123.2201

 1.2112, 3.3195,  
0.0000

236.0757,

 0.1152, 1.3007,

299.8894, 156.3996

0.0000

284.0891,  
356.9506, 195.0570

■ 0.0000, 0.1417,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.2294, 58.9796,  
15.7425

■ 40.2294, 58.9796,  
15.7425

■ 37.7643, 57.7821,  
12.4002

■ 43.1241, 60.3721,  
20.4719

■ 35.6918, 56.7583,  
10.2895

■ 46.4728, 61.9637,  
26.7146

■ 33.9725, 55.8938,  
9.2193

■ 50.3027, 63.7678,  
34.5868

■ 33.4331, 55.6207,  
8.9738

■ 54.6371, 65.7941,  
44.1922

■ 59.4976, 68.0518,  
55.6262

■ 64.9045, 70.5493,  
68.9770

■ 70.8768, 73.2945,  
84.3271

■ 77.4327, 76.2952,  
101.7542

■ 81.5697, 78.3509,  
105.4318

# Harmonies

## Analogous

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



53.4357, 58.9796, 10.4014



40.2294, 58.9796, 15.7425



32.5771, 58.9796, 33.7324

# Triad

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



40.2294, 58.9796, 15.7425



44.0434, 58.9796, 181.4636



92.5654, 58.9796, 56.8857

# Complementary

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



40.2294, 58.9796, 15.7425



26.6579, 15.8706, 70.0682

# 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.



88.7527, 58.9796, 109.0794



40.2294, 58.9796, 15.7425



58.7654, 58.9796, 197.7704

# Square

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



40.2294, 58.9796, 15.7425



34.4682, 58.9796, 128.9989



75.5745, 58.9796, 166.6341



85.1821, 58.9796, 25.8384



# Rectangle

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



40.2294, 58.9796, 15.7425



30.6891, 58.9796, 56.8196



75.5745, 58.9796, 166.6341



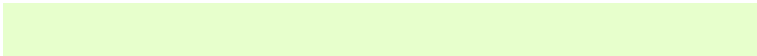
92.5623, 58.9796, 72.2339

# Sweetspot

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



40.2308, 58.9822, 15.7438



79.7455, 92.9363, 70.8622



40.4572, 34.6688, 11.0389



16.6615, 19.7030, 14.2097



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.



40.2308, 58.9822, 15.7438



50.9802, 79.2973, 15.7509



30.5177, 53.9749, 15.2892



13.5515, 14.9490, 13.8968



19.5531, 32.3775, 5.2189



1.3658, 2.1486, 0.3427



# Inverse Universe

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



26.6579, 15.8706, 70.0682



30.9769, 15.6414, 95.9942



43.1318, 24.3632, 70.8392



12.9083, 12.9109, 16.4638



10.9083, 4.7476, 40.0799



0.8054, 0.3585, 2.6012



# Previews

## White Background



This preview shows how the XYZ color 40.2294, 58.9796, 15.7425 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 40.2294, 58.9796, 15.7425 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 40.2294, 58.9796, 15.7425**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2294, 58.9796, 15.7425.



This preview shows how white text looks on a background with the XYZ color 40.2294, 58.9796,

15.7425.

# 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

40.2294, 58.9796, 15.7425

### Protanopia

53.0122, 58.2105, 14.0719

### Deuteranopia

59.6554, 58.2257, 16.4820



## Tritanopia

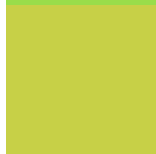
52.8657, 58.8376, 78.3825

# Trichromacy



## Original Color

40.2294, 58.9796, 15.7425



## Protanomaly

47.2464, 57.7088, 14.6100



## Deuteranomaly

50.5928, 57.2673, 15.9766



## Tritanomaly

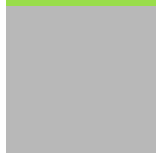
46.4308, 58.0585, 46.2954

# Monochromacy



## Original Color

40.2294, 58.9796, 15.7425



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.2339, 50.8304, 33.9708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2294, 58.9796, 15.7425 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(153, 221, 74)` looks like.

```
.text, #text, p{  
    color:rgb(153, 221, 74)  
}
```

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(153, 221, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 221, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2294, 58.9796, 15.7425 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(153, 221, 74) }
```



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

```
.border{ border-color:rgb(153, 221, 74) }
```

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

Here you see how a box with a 4 pixel rgb(153, 221, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 221, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 221, 74);  
box-shadow:4px 4px 4px 4px rgb(153, 221,  
74) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2294, 58.9796, 15.7425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 221, 74) }
```

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

```
.background{ background-color: rgb(153,  
221, 74) }
```

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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