

Converting Colors

XYZ(40.4162, 57.1046, 17.2800)

Have a look what the booklet for
XYZ(40.4162, 57.1046, 17.2800)
contains.

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Color

**XYZ(40.4542, 57.1228,
17.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD854
RGB	159, 216, 84
RGB Percent	62%, 85%, 33%
CMY	0.3765, 0.1529, 0.6706
CMYK	0.26, 0.00, 0.61, 0.15
HSL	86°, 63%, 59%
HSV	86°, 61%, 85%
XYZ	40.4542, 57.1228, 17.2811
YIQ	183.9090, 8.4000, -53.1360

Conversions

Conversions Part 2

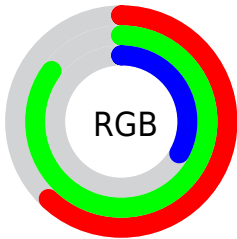
Format	Color
RYB	84, 216, 141
Decimal	10475604
CIELab	80.25, -38.76, 57.66
CIELCh	80, 69.476, 123.907
Yxy	57.1228, 0.3522, 0.4973
Android (android.graphics.Color)	4288665684 (0xFF9FD854)
YUV	183.9090, -49.2551, -21.8452
Hunter-Lab	75.5796, -36.7217, 39.3492

Details

The XYZ color **40.4542, 57.1228, 17.2811** 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 **26.5519, 16.9628, 66.8438**, and the grayscale version is **45.7713, 48.1550, 52.4408**.

A 20% lighter version of the original color is **68.6663, 87.9539, 37.4025**, and **18.5248, 28.4479, 5.4919** is the 20% darker color. If you saturate the color by 10%, you get **37.9551, 55.9194, 13.4087**, and if you desaturate by 10%, it is **43.3565, 58.5075, 22.5360**.

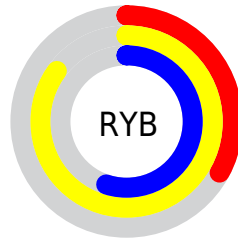
Distribution



Red (62%)

Green (85%)

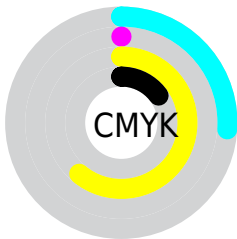
Blue (33%)



Red (33%)

Yellow (85%)

Blue (55%)

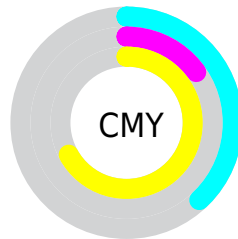


Cyan (26%)

Magenta (0%)

Yellow (61%)

Black (15%)



Cyan (38%)


Magenta (15%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4542, 57.1228, 17.2811 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 40.4542, 57.1228, 17.2811 by changing the saturation by 10% instead.


 40.4542, 57.1228,
17.2811


 40.4542, 57.1228,
17.2811


339.1359,
413.9093, 248.8857

 28.0786, 41.1038,
10.2710


 75.1346, 100.6443,
39.6057


 18.5257, 28.4002,
5.4711


 98.1702, 128.9157,
55.7573

 11.4300, 18.6276,
2.4627


 125.4898,
162.0400, 75.7932

 6.4263, 11.4015,
0.8203

 157.4588,
200.4017, 100.1319

 3.1491, 6.3376,
0.0000

194.4425,
244.3850, 129.1920

 1.2331, 3.0514,
0.0000

236.8064,

 0.1323, 1.1586,

294.3745, 163.3919

0.0000

284.9158,
350.7544, 203.1503

■ 0.0000, 0.0275,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4542, 57.1228,
17.2811

■ 40.4542, 57.1228,
17.2811

■ 37.9551, 55.9194,
13.4087

■ 43.3565, 58.5075,
22.5360

■ 35.8271, 54.8783,
10.7841

■ 46.6826, 60.0763,
29.2841

■ 34.0388, 53.9885,
9.2520

■ 50.4561, 61.8408,
37.6294

■ 32.6859, 53.3048,
8.5661

■ 54.6977, 63.8097,
47.6654

■ 59.4263, 65.9908,
59.4782

■ 64.6598, 68.3916,
73.1482

■ 70.4152, 71.0192,
88.7511

■ 76.4160, 73.7634,
104.8179

■ 79.5534, 75.3807,
104.9648

Harmonies

Analogous

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



52.4559, 57.1228, 12.2806



40.4542, 57.1228, 17.2811



33.2960, 57.1228, 33.7766

Triad

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



40.4542, 57.1228, 17.2811



43.1583, 57.1228, 162.0407



86.3073, 57.1228, 57.0241

Complementary

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



40.4542, 57.1228, 17.2811



26.5519, 16.9628, 66.8438

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.



82.6598, 57.1228, 103.2712



40.4542, 57.1228, 17.2811



56.1736, 57.1228, 177.2222

Square

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



40.4542, 57.1228, 17.2811



34.6558, 57.1228, 116.7467



70.9759, 57.1228, 152.1692



80.2242, 57.1228, 28.0036

Rectangle

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



40.4542, 57.1228, 17.2811



31.4363, 57.1228, 54.2686



70.9759, 57.1228, 152.1692



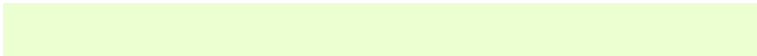
86.1839, 57.1228, 70.8623

Sweetspot

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



40.4556, 57.1253, 17.2823



81.6008, 93.8209, 74.1950



39.1540, 33.7063, 12.8306



17.0490, 19.8888, 14.8578



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.



40.4556, 57.1253, 17.2823



54.4215, 81.0168, 18.3753



30.8772, 52.1875, 16.8341



12.9309, 14.2406, 13.2279



19.4716, 31.6143, 5.0759



1.2685, 1.9553, 0.3106

Inverse Universe

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



26.5519, 16.9628, 66.8438



32.6070, 17.8699, 96.3384



40.7441, 24.2792, 67.5080



12.2462, 12.2683, 15.6601



10.1437, 4.3818, 38.7643



0.7056, 0.3127, 2.3425

Previews

White Background



This preview shows how the XYZ color 40.4542, 57.1228, 17.2811 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 40.4542, 57.1228, 17.2811 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 40.4542, 57.1228, 17.2811

Background



This preview shows how black text looks on a background with the XYZ color 40.4542, 57.1228, 17.2811.



This preview shows how white text looks on a background with the XYZ color 40.4542, 57.1228,

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

40.4542, 57.1228, 17.2811

Protanopia

51.6535, 56.7835, 15.6350

Deuteranopia

57.7856, 56.5804, 18.0007



Tritanopia

52.0382, 56.7026, 75.2198

Trichromacy



Original Color

40.4542, 57.1228, 17.2811

Protanomaly

46.6052, 56.2625, 16.1880

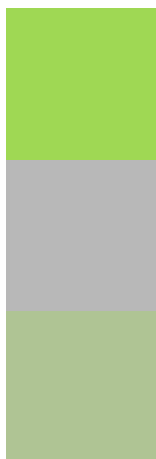
Deuteranomaly

49.9582, 55.8643, 17.6010

Tritanomaly

46.1461, 56.0740, 46.4214

Monochromacy



Original Color

40.4542, 57.1228, 17.2811

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

42.7644, 50.7319, 35.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4542, 57.1228, 17.2811 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(159, 216, 84)` looks like.

```
.text, #text, p{  
    color:rgb(159, 216, 84)  
}
```

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(159, 216, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 216, 84) }
```

Border

The CSS property to change the border of an element to XYZ 40.4542, 57.1228, 17.2811 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(159, 216, 84) }
```


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

```
.border{ border-color:rgb(159, 216, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 216, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 216, 84); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 216, 84); box-shadow:4px 4px 4px 4px rgb(159, 216, 84) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4542, 57.1228, 17.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 216, 84) }
```

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

```
.background{ background-color: rgb(159,  
216, 84) }
```

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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