

Converting Colors

XYZ(40.4724, 58.9776, 17.8875)

Have a look what the booklet for
XYZ(40.4724, 58.9776, 17.8875)
contains.

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Color

**XYZ(40.4450, 59.0442,
17.8593)**

Conversions

Conversions Part 1

Format	Color
Hex	98DD55
RGB	152, 221, 85
RGB Percent	60%, 87%, 33%
CMY	0.4039, 0.1333, 0.6667
CMYK	0.31, 0.00, 0.62, 0.13
HSL	90°, 67%, 60%
HSV	90°, 62%, 87%
XYZ	40.4450, 59.0442, 17.8593
YIQ	184.8650, 2.5320, -56.9240

Conversions

Conversions Part 2

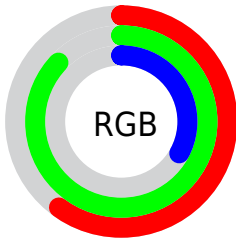
Format	Color
RYB	85, 221, 154
Decimal	10018133
CIELab	81.32, -43.39, 58.31
CIELCh	81, 72.678, 126.653
Yxy	59.0442, 0.3447, 0.5032
Android (android.graphics.Color)	4288208213 (0xFF98DD55)
YUV	184.8650, -49.2334, -28.8226
Hunter-Lab	76.8402, -40.5166, 40.0079

Details

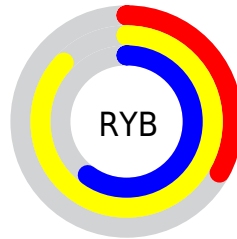
The XYZ color **40.4450, 59.0442, 17.8593** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **29.6288, 18.5893, 70.4365**, and the grayscale version is **46.3046, 48.7160, 53.0517**.

A 20% lighter version of the original color is **66.9985, 87.0857, 37.7041**, and **18.4655, 29.4716, 5.6926** is the 20% darker color. If you saturate the color by 10%, you get **37.7004, 57.7173, 13.8420**, and if you desaturate by 10%, it is **43.6650, 60.5883, 23.3321**.

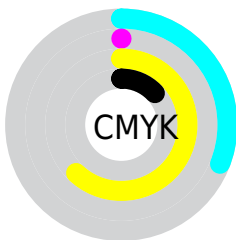
Distribution



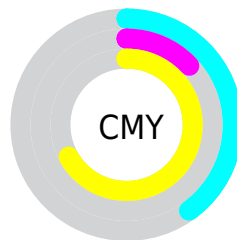
- Red (60%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (60%)



- Cyan (31%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (40%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4450, 59.0442, 17.8593 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 40.4450, 59.0442, 17.8593 by changing the saturation by 10% instead.


 40.4450, 59.0442,
17.8593


 40.4450, 59.0442,
17.8593


339.0980,
421.0657, 252.2862

 28.0714, 42.6487,
10.6806


 75.1207, 103.4419,
40.6081


 18.5202, 29.6096,
5.7410


 98.1536, 132.2129,
57.0154

 11.4261, 19.5424,
2.6220


 125.4702,
165.8778, 77.3359

 6.4236, 12.0629,
0.9038

 157.4360,
204.8211, 101.9882

 3.1474, 6.7865,
0.0000

194.4163,
249.4272, 131.3908

 1.2322, 3.3290,
0.0000

236.7765,

 0.1316, 1.3058,

300.0803, 165.9623

0.0000

284.8820,
357.1651, 206.1213

■ 0.0000, 0.1457,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4450, 59.0442,
17.8593

■ 40.4450, 59.0442,
17.8593

■ 37.7004, 57.7173,
13.8420

■ 43.6650, 60.5883,
23.3321

■ 35.3950, 56.5863,
11.1366


■ 47.3846, 62.3537,
30.3784

■ 33.4928, 55.6382,
9.5769


■ 51.6309, 64.3539,
39.1087


■ 32.1484, 54.9584,
8.9136


■ 56.4276, 66.5989,
49.6223

 61.7968, 69.0982,
62.0107

 67.7592, 71.8605,
76.3595

 74.3345, 74.8943,
92.7486

 80.4255, 77.7611,
105.3782

 84.3871, 79.8034,
105.5637

Harmonies

Analogous

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



52.8076, 59.0442, 11.8908



40.4450, 59.0442, 17.8593



33.3722, 59.0442, 36.5396

Triad

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



40.4450, 59.0442, 17.8593



45.3351, 59.0442, 175.5380



90.3661, 59.0442, 55.0878

Complementary

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



40.4450, 59.0442, 17.8593



29.6288, 18.5893, 70.4365

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.



87.3880, 59.0442, 103.4050



40.4450, 59.0442, 17.8593



59.5676, 59.0442, 188.0895

Square

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



40.4450, 59.0442, 17.8593



35.8196, 59.0442, 128.1683



75.3968, 59.0442, 157.3007



82.9259, 59.0442, 26.2017

Rectangle

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



40.4450, 59.0442, 17.8593



31.7456, 59.0442, 59.5340



75.3968, 59.0442, 157.3007



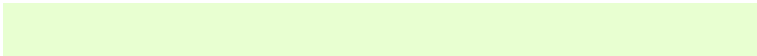
90.5677, 59.0442, 69.2909

Sweetspot

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



40.4464, 59.0468, 17.8606



80.4659, 93.2359, 74.1418



42.8521, 38.8128, 13.8282



16.7724, 19.7462, 14.8449



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.



40.4464, 59.0468, 17.8606



51.1011, 79.3140, 17.8166



31.2443, 54.3029, 17.4299



13.4943, 14.9196, 13.8941



18.8048, 31.9917, 5.1839



1.3176, 2.1238, 0.3405

Inverse Universe

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



29.6288, 18.5893, 70.4365



34.9251, 18.8376, 96.4030



46.1209, 27.0913, 71.2083



12.9653, 12.9402, 16.4665



11.6043, 5.1064, 40.1124



0.8512, 0.3821, 2.6033

Previews

White Background



This preview shows how the XYZ color 40.4450, 59.0442, 17.8593 looks on a white background.

Color Contrast Check

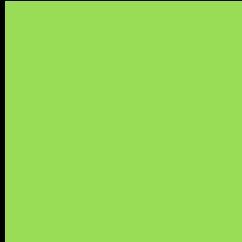
Large Text (above 18pt) WCAG AA × Fail

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 40.4450, 59.0442, 17.8593 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 40.4450, 59.0442, 17.8593

Background



This preview shows how black text looks on a background with the XYZ color 40.4450, 59.0442, 17.8593.

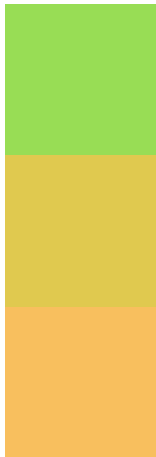


This preview shows how white text looks on a background with the XYZ color 40.4450, 59.0442,

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

40.4450, 59.0442, 17.8593

Protanopia

53.0384, 58.1851, 15.8326

Deuteranopia

59.3626, 58.0262, 18.6611



Tritanopia

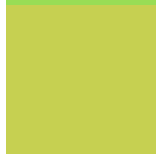
52.7806, 58.7781, 79.0845

Trichromacy



Original Color

40.4450, 59.0442, 17.8593



Protanomaly

47.3298, 57.7116, 16.4295



Deuteranomaly

50.4494, 57.1425, 18.2682



Tritanomaly

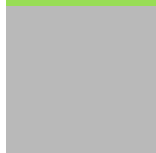
46.6034, 58.1034, 48.2940

Monochromacy



Original Color

40.4450, 59.0442, 17.8593



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.8525, 51.4423, 36.1046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4450, 59.0442, 17.8593 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(152, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(152, 221, 85)  
}
```

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(152, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 40.4450, 59.0442, 17.8593 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(152, 221, 85) }
```


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

```
.border{ border-color:rgb(152, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(152, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4450, 59.0442, 17.8593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 221, 85) }
```

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

```
.background{ background-color: rgb(152,  
221, 85) }
```

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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