

Converting Colors

XYZ(41.9806, 63.1923, 15.5738)

Have a look what the booklet for
XYZ(41.9806, 63.1923, 15.5738)
contains.

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Color

**XYZ(41.8560, 63.0476,
15.5936)**

Conversions

Conversions Part 1

Format	Color
Hex	97E545
RGB	151, 229, 69
RGB Percent	59%, 90%, 27%
CMY	0.4078, 0.1019, 0.7294
CMYK	0.34, 0.00, 0.70, 0.10
HSL	89°, 75%, 58%
HSV	89°, 70%, 90%
XYZ	41.8560, 63.0476, 15.5936
YIQ	187.4380, 4.8720, -66.2960

Conversions

Conversions Part 2

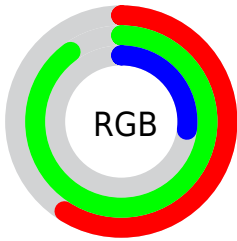
Format	Color
R _Y B	69, 229, 147
Decimal	9954629
CIE Lab	83.47, -48.34, 66.86
CIE LCh	83, 82.500, 125.866
Yxy	63.0476, 0.3474, 0.5232
Android (android.graphics.Color)	4288144709 (0xFF97E545)
YUV	187.4380, -58.3899, -31.9561
Hunter-Lab	79.4025, -44.8605, 43.9380

Details

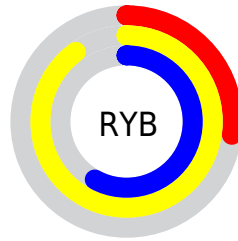
The XYZ color **41.8560, 63.0476, 15.5936** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.3066, 16.1184, 75.7515**, and the grayscale version is **47.8013, 50.2907, 54.7666**.

A 20% lighter version of the original color is **66.1042, 86.7280, 32.9948**, and **19.4578, 32.2143, 5.1925** is the 20% darker color. If you saturate the color by 10%, you get **39.3033, 61.8005, 12.4529**, and if you desaturate by 10%, it is **44.8821, 64.5110, 20.1901**.

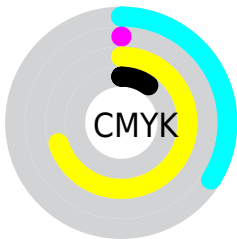
Distribution



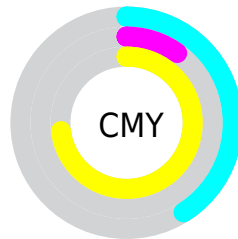
- Red (59%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (58%)



- Cyan (34%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)



- Cyan (41%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8560, 63.0476, 15.5936 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 41.8560, 63.0476, 15.5936 by changing the saturation by 10% instead.

41.8560, 63.0476,
15.5936

41.8560, 63.0476,
15.5936

344.8874,
435.7422, 238.6948

29.1792, 45.8797,
9.0858

77.2482, 109.2382,
36.6481

19.3614, 32.1509,
4.6996

100.6942,
139.0297, 52.0320

12.0372, 21.4768,
2.0165

128.4607,
173.7978, 71.2116

6.8414, 13.4730,
0.5654

160.9130,
213.9270, 94.6054

3.4086, 7.7550,
0.0000

198.4165,
259.8017, 122.6322

1.3733, 3.9386,
0.0000

241.3365,

0.2371, 1.6393,

311.8061, 155.7103

0.0000

290.0384,
370.3249, 194.2583

■ 0.0000, 0.3839,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8560, 63.0476,
15.5936

■ 41.8560, 63.0476,
15.5936

■ 39.3033, 61.8005,
12.4529

■ 44.8821, 64.5110,
20.1901

■ 37.1806, 60.7453,
10.5868


■ 48.4106, 66.1965,
26.3871


■ 35.4266, 59.8590,
9.6955


■ 52.4727, 68.1193,
34.3165


■ 35.4049, 59.8480,
9.6858

■ 57.0954, 70.2908,
44.0953

 62.3038, 72.7214,
55.8304

 68.1209, 75.4211,
69.6205

 74.5687, 78.3990,
85.5575

 81.6678, 81.6639,
103.7280

 86.0285, 83.8603,
106.2602

Harmonies

Analogous

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



56.4582, 63.0476, 9.7338



41.8560, 63.0476, 15.5936



33.5746, 63.0476, 35.5859

Triad

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



41.8560, 63.0476, 15.5936



46.8645, 63.0476, 204.5620



101.3442, 63.0476, 59.0118

Complementary

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



41.8560, 63.0476, 15.5936



28.3066, 16.1184, 75.7515

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.



97.3627, 63.0476, 117.6451



41.8560, 63.0476, 15.5936



63.5306, 63.0476, 221.8865

Square

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



41.8560, 63.0476, 15.5936



36.0354, 63.0476, 144.5918



82.5638, 63.0476, 184.3015



92.5574, 63.0476, 25.4254

Rectangle

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



41.8560, 63.0476, 15.5936



31.6201, 63.0476, 61.7515



82.5638, 63.0476, 184.3015



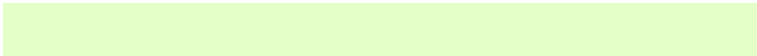
101.4737, 63.0476, 76.0400

Sweetspot

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



41.8575, 63.0504, 15.5950



78.6345, 92.3986, 69.2265



43.7202, 37.7509, 10.6135



16.4252, 19.5880, 13.8912



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.



41.8575, 63.0504, 15.5950



48.8396, 78.2170, 14.6028



31.7431, 57.8362, 15.1216



14.8901, 16.4504, 15.2949



20.3814, 34.2885, 5.5441



1.6133, 2.5891, 0.4147

Inverse Universe

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



28.3066, 16.1184, 75.7515



30.5536, 14.8327, 95.8604



47.7422, 26.1378, 76.6611



14.2484, 14.2303, 18.1401



12.0190, 5.2619, 42.7654



0.9951, 0.4440, 3.1652

Previews

White Background



This preview shows how the XYZ color 41.8560, 63.0476, 15.5936 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 41.8560, 63.0476, 15.5936 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 41.8560, 63.0476, 15.5936

Background



This preview shows how black text looks on a background with the XYZ color 41.8560, 63.0476, 15.5936.



This preview shows how white text looks on a background with the XYZ color 41.8560, 63.0476,

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

41.8560, 63.0476, 15.5936

Protanopia

56.4887, 62.1403, 13.7196

Deuteranopia

63.2266, 62.0007, 19.2246



Tritanopia

55.7040, 62.7469, 84.7768

Trichromacy



Original Color

41.8560, 63.0476, 15.5936

Protanomaly

49.8832, 61.6790, 14.2772

Deuteranomaly

53.0554, 61.0085, 17.5738

Tritanomaly

48.2950, 61.6409, 48.3822

Monochromacy



Original Color

41.8560, 63.0476, 15.5936

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

43.6101, 53.2533, 34.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8560, 63.0476, 15.5936 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(151, 229, 69)` looks like.

```
.text, #text, p{  
    color:rgb(151, 229, 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(151, 229, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 229, 69) }
```

Border

The CSS property to change the border of an element to XYZ 41.8560, 63.0476, 15.5936 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(151, 229, 69) }
```


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

```
.border{ border-color:rgb(151, 229, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 229, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 229, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 229, 69);  
box-shadow:4px 4px 4px 4px rgb(151, 229,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8560, 63.0476, 15.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 229, 69) }
```

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

```
.background{ background-color: rgb(151,  
229, 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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