

Converting Colors

XYZ(42.3992, 63.8160, 16.8756)

Have a look what the booklet for
XYZ(42.3992, 63.8160, 16.8756)
contains.

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Color

**XYZ(42.3638, 63.6947,
16.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	97E64C
RGB	151, 230, 76
RGB Percent	59%, 90%, 30%
CMY	0.4078, 0.0980, 0.7019
CMYK	0.34, 0.00, 0.67, 0.10
HSL	91°, 75%, 60%
HSV	91°, 67%, 90%
XYZ	42.3638, 63.6947, 16.8990
YIQ	188.8230, 2.3500, -64.6420

Conversions

Conversions Part 2

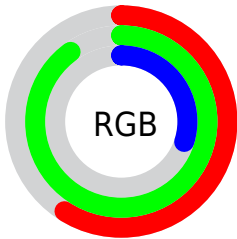
Format	Color
RYB	76, 230, 155
Decimal	9954892
CIELab	83.81, -48.27, 64.60
CIELCh	84, 80.640, 126.766
Yxy	63.6947, 0.3445, 0.5180
Android (android.graphics.Color)	4288144972 (0xFF97E64C)
YUV	188.8230, -55.6217, -33.1708
Hunter-Lab	79.8090, -44.9152, 43.3120

Details

The XYZ color **42.3638, 63.6947, 16.8990** 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 **30.3879, 17.8526, 76.7107**, and the grayscale version is **48.5772, 51.1070, 55.6555**.

A 20% lighter version of the original color is **66.2194, 86.7413, 35.0824**, and **19.6612, 32.6036, 5.3143** is the 20% darker color. If you saturate the color by 10%, you get **39.6218, 62.3596, 13.3171**, and if you desaturate by 10%, it is **45.6138, 65.2627, 21.9987**.

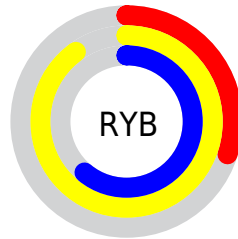
Distribution



Red (59%)

Green (90%)

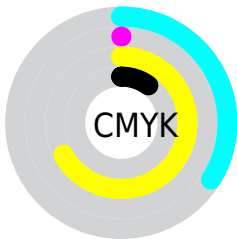
Blue (30%)



Red (30%)

Yellow (90%)

Blue (61%)

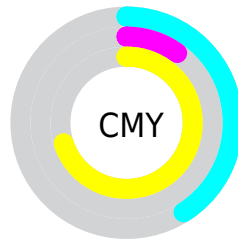


Cyan (34%)

Magenta (0%)

Yellow (67%)

Black (10%)



Cyan (41%)

Magenta (10%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3638, 63.6947, 16.8990 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 42.3638, 63.6947, 16.8990 by changing the saturation by 10% instead.

42.3638, 63.6947,
16.8990

42.3638, 63.6947,
16.8990

346.9548,
438.0863, 246.6139

29.5786, 46.4034,
10.0013

78.0116, 110.1711,
38.9403

19.6654, 32.5643,
5.2942

101.6050,
140.1251, 54.9210

12.2589, 21.7929,
2.3592

129.5318,
175.0688, 74.7665

6.9937, 13.7048,
0.7641

162.1574,
215.3865, 98.8952

3.5045, 7.9156,
0.0000

199.8472,
261.4628, 127.7258

1.4258, 4.0410,
0.0000

242.9664,

0.2745, 1.6965,

313.6819, 161.6767

0.0000

291.8805,
372.4283, 201.1666

■ 0.0000, 0.4214,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3638, 63.6947,
16.8990

■ 42.3638, 63.6947,
16.8990

■ 39.6218, 62.3596,
13.3171

■ 45.6138, 65.2627,
21.9987

■ 37.3447, 61.2329,
11.0794


■ 49.4008, 67.0693,
28.7563


■ 35.4860, 60.2973,
9.9694


■ 53.7563, 69.1300,
37.3009


■ 34.9812, 60.0415,
9.7455


■ 58.7078, 71.4565,
47.7475

 64.2809, 74.0596,
60.2016

 70.4992, 76.9495,
74.7608

 77.3853, 80.1357,
91.5164

 84.1432, 83.3004,
106.2515

 87.5882, 85.0763,
106.4127

Harmonies

Analogous

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



56.6172, 63.6947, 10.5990



42.3638, 63.6947, 16.8990



34.3359, 63.6947, 37.5621

Triad

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



42.3638, 63.6947, 16.8990



48.0784, 63.6947, 203.0616



101.0301, 63.6947, 58.4890

Complementary

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



42.3638, 63.6947, 16.8990



30.3879, 17.8526, 76.7107

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.



97.5205, 63.6947, 115.3642



42.3638, 63.6947, 16.8990



64.6398, 63.6947, 218.2177

Square

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



42.3638, 63.6947, 16.8990



37.1579, 63.6947, 145.6091



83.2883, 63.6947, 180.4489



92.1124, 63.6947, 25.8333

Rectangle

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



42.3638, 63.6947, 16.8990



32.5145, 63.6947, 63.9959



83.2883, 63.6947, 180.4489



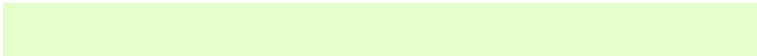
101.2876, 63.6947, 75.0004

Sweetspot

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



42.3653, 63.6975, 16.9004



78.9199, 92.5107, 70.8236



45.3314, 40.1298, 12.1950



16.4640, 19.6012, 14.2005



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.



42.3653, 63.6975, 16.9004



48.9986, 78.2757, 15.6582



32.5837, 58.6549, 16.4426



14.8541, 16.4319, 15.2932



19.9436, 34.0628, 5.5236



1.5807, 2.5722, 0.4132

Inverse Universe

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



30.3879, 17.8526, 76.7107



32.8777, 16.6213, 96.0831



49.5031, 27.7068, 77.6053



14.2844, 14.2488, 18.1418



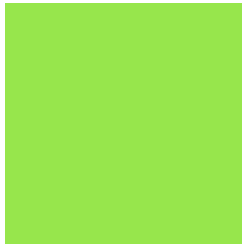
12.4574, 5.4879, 42.7859



1.0277, 0.4608, 3.1667

Previews

White Background



This preview shows how the XYZ color 42.3638, 63.6947, 16.8990 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 42.3638, 63.6947, 16.8990 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 42.3638, 63.6947, 16.8990

Background



This preview shows how black text looks on a background with the XYZ color 42.3638, 63.6947, 16.8990.



This preview shows how white text looks on a background with the XYZ color 42.3638, 63.6947,

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**

42.3638, 63.6947, 16.8990

Protanopia

57.2656, 62.8776, 14.9127

Deuteranopia

63.7830, 62.5878, 21.0308



Tritanopia

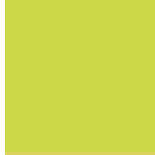
56.0995, 63.3113, 85.6075

Trichromacy



Original Color

42.3638, 63.6947, 16.8990



Protanomaly

50.3542, 62.2761, 15.4974



Deuteranomaly

53.5936, 61.6176, 19.1939



Tritanomaly

48.8481, 62.2809, 50.0043

Monochromacy



Original Color

42.3638, 63.6947, 16.8990



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.6174, 54.4378, 36.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3638, 63.6947, 16.8990 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, 230, 76)` looks like.

```
.text, #text, p{  
    color:rgb(151, 230, 76)  
}
```

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, 230, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 230, 76) }
```

Border

The CSS property to change the border of an element to XYZ 42.3638, 63.6947, 16.8990 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, 230, 76) }
```


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

```
.border{ border-color:rgb(151, 230, 76) }
```

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

Here you see how a box with a 4 pixel rgb(151, 230, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 230, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 230, 76);  
box-shadow:4px 4px 4px 4px rgb(151, 230,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3638, 63.6947, 16.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 230, 76) }
```

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

```
.background{ background-color: rgb(151,  
230, 76) }
```

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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