

Converting Colors

XYZ(42.3418, 63.9411, 15.7663)

Have a look what the booklet for
XYZ(42.3418, 63.9411, 15.7663)
contains.

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Color

**XYZ(42.4126, 64.1608,
15.7791)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 97E745 |
| RGB | 151, 231, 69 |
| RGB Percent | 59%, 91%, 27% |
| CMY | 0.4078, 0.0941, 0.7294 |
| CMYK | 0.35, 0.00, 0.70, 0.09 |
| HSL | 90°, 77%, 59% |
| HSV | 90°, 70%, 91% |
| XYZ | 42.4126, 64.1608, 15.7791 |
| YIQ | 188.6120, 4.3220, -67.3420 |

Conversions

Conversions Part 2

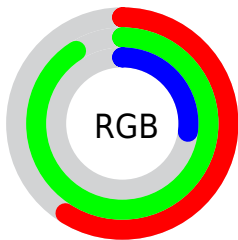
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 69, 231, 149 |
| Decimal | 9955141 |
| CIE Lab | 84.05, -49.17, 67.45 |
| CIE LCh | 84, 83.465, 126.091 |
| Yxy | 64.1608, 0.3466, 0.5244 |
| Android (android.graphics.Color) | 4288145221 (0xFF97E745) |
| YUV | 188.6120, -58.9687, -32.9857 |
| Hunter-Lab | 80.1004, -45.6613, 44.3907 |

Details

The XYZ color **42.4126, 64.1608, 15.7791** 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 **28.9493, 16.4173, 77.2480**, and the grayscale version is **48.4741, 50.9986, 55.5374**.

A 20% lighter version of the original color is **66.1042, 86.7280, 32.9948**, and **19.8442, 32.9871, 5.3213** is the 20% darker color. If you saturate the color by 10%, you get **39.8150, 62.8911, 12.6157**, and if you desaturate by 10%, it is **45.4971, 65.6533, 20.4240**.

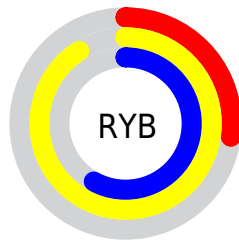
Distribution



Red (59%)

Green (91%)

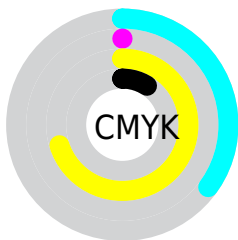
Blue (27%)



Red (27%)

Yellow (91%)

Blue (58%)

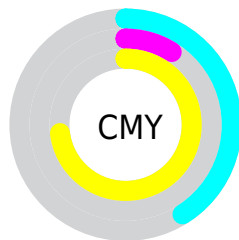


Cyan (35%)

Magenta (0%)

Yellow (70%)

Black (9%)



Cyan (41%)

Magenta (9%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4126, 64.1608, 15.7791 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 42.4126, 64.1608, 15.7791 by changing the saturation by 10% instead.

42.4126, 64.1608,
15.7791

42.4126, 64.1608,
15.7791

347.1531,
439.7701, 239.8357

29.6170, 46.7809,
9.2153

78.0850, 110.8425,
36.9757

19.6947, 32.8625,
4.7832

101.6924,
140.9131, 52.4456

12.2803, 22.0211,
2.0641

129.6346,
175.9827, 71.7214

7.0084, 13.8724,
0.5943

162.2768,
216.4358, 95.2214

3.5137, 8.0320,
0.0000

199.9844,
262.6566, 123.3643

1.4309, 4.1154,
0.0000

243.1227,

0.2781, 1.7383,

315.0297, 156.5687

0.0000

292.0572,
373.9394, 195.2529

■ 0.0000, 0.4483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4126, 64.1608,
15.7791

■ 42.4126, 64.1608,
15.7791

■ 39.8150, 62.8911,
12.6157

■ 45.4971, 65.6533,
20.4240


■ 37.6596, 61.8190,
10.7478


■ 49.0984, 67.3748,
26.6989


■ 35.9028, 60.9310,
9.8686

■ 53.2489, 69.3408,
34.7391

■ 57.9764, 71.5631,
44.6643

 63.3066, 74.0526,
56.5841

 69.2634, 76.8194,
70.5994

 75.8694, 79.8731,
86.8043

 83.1459, 83.2227,
105.2874

 87.3817, 85.3842,
106.4830

Harmonies

Analogous

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



57.3026, 64.1608, 9.7591



42.4126, 64.1608, 15.7791



34.0024, 64.1608, 36.2936

Triad

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



42.4126, 64.1608, 15.7791



47.7284, 64.1608, 209.6193



103.4023, 64.1608, 59.6436

Complementary

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



42.4126, 64.1608, 15.7791



28.9493, 16.4173, 77.2480

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.



99.4182, 64.1608, 119.5463



42.4126, 64.1608, 15.7791



64.8175, 64.1608, 226.9905

Square

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



42.4126, 64.1608, 15.7791



36.6115, 64.1608, 148.2396



84.3093, 64.1608, 188.0230



94.3045, 64.1608, 25.5331

Rectangle

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



42.4126, 64.1608, 15.7791



32.0389, 64.1608, 63.1721



84.3093, 64.1608, 188.0230



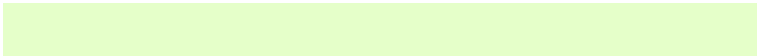
103.5694, 64.1608, 77.0045

Sweetspot

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



42.4141, 64.1636, 15.7805



78.5265, 92.3430, 69.2215



44.5122, 38.3820, 10.6936



16.3996, 19.5748, 13.8900



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.



42.4141, 64.1636, 15.7805



48.5905, 78.0885, 14.5912



32.3022, 58.9507, 15.3073



14.8812, 16.4458, 15.2945



20.2702, 34.2312, 5.5389



1.6051, 2.5848, 0.4143

Inverse Universe

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



28.9493, 16.4173, 77.2480



30.7943, 14.9568, 95.8717



48.6447, 26.5706, 78.1697



14.2573, 14.2349, 18.1405



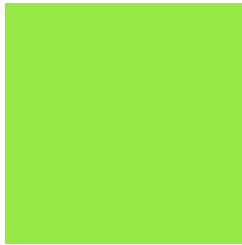
12.1253, 5.3167, 42.7703



1.0031, 0.4481, 3.1656

Previews

White Background



This preview shows how the XYZ color 42.4126, 64.1608, 15.7791 looks on a white background.

Color Contrast Check

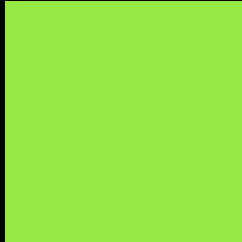
Large Text (above 18pt) WCAG AA × Fail

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 42.4126, 64.1608, 15.7791 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 42.4126, 64.1608, 15.7791

Background



This preview shows how black text looks on a background with the XYZ color 42.4126, 64.1608, 15.7791.

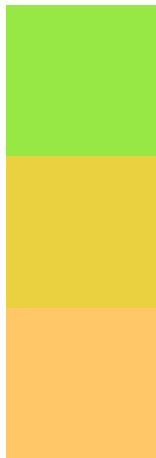


This preview shows how white text looks on a background with the XYZ color 42.4126, 64.1608,

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

42.4126, 64.1608, 15.7791

Protanopia

57.6294, 63.4522, 13.9127

Deuteranopia

64.1116, 63.0861, 21.6298



Tritanopia

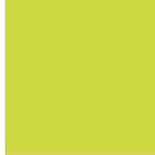
56.7194, 63.9936, 86.4534

Trichromacy



Original Color

42.4126, 64.1608, 15.7791



Protanomaly

50.6688, 62.8447, 14.4607



Deuteranomaly

53.7979, 62.0956, 19.0477



Tritanomaly

49.1252, 62.8370, 49.0748

Monochromacy



Original Color

42.4126, 64.1608, 15.7791



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.3829, 54.3440, 34.9383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4126, 64.1608, 15.7791 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, 231, 69)` looks like.

```
.text, #text, p{  
    color:rgb(151, 231, 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, 231, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 231, 69) }
```

Border

The CSS property to change the border of an element to XYZ 42.4126, 64.1608, 15.7791 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, 231, 69) }
```


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

```
.border{ border-color:rgb(151, 231, 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, 231, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 231, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 231, 69);  
box-shadow:4px 4px 4px 4px rgb(151, 231,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4126, 64.1608, 15.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 231, 69) }
```

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

```
.background{ background-color: rgb(151,  
231, 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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