

Converting Colors

XYZ(40.0718, 62.1483, 14.5864)

Have a look what the booklet for
XYZ(40.0718, 62.1483, 14.5864)
contains.

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Color

**XYZ(40.0718, 62.1483,
14.5864)**

Conversions

Conversions Part 1

Format	Color
Hex	8EE53F
RGB	142, 229, 63
RGB Percent	56%, 90%, 25%
CMY	0.4431, 0.1019, 0.7529
CMYK	0.38, 0.00, 0.72, 0.10
HSL	91°, 76%, 57%
HSV	91°, 72%, 90%
XYZ	40.0718, 62.1483, 14.5864
YIQ	184.0630, 1.4340, -70.0700

Conversions

Conversions Part 2

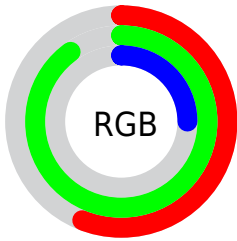
Format	Color
RYB	63, 229, 150
Decimal	9364799
CIELab	82.99, -51.77, 68.34
CIElCh	83, 85.737, 127.146
Yxy	62.1483, 0.3431, 0.5321
Android (android.graphics.Color)	4287554879 (0xFF8EE53F)
YUV	184.0630, -59.6841, -36.8893
Hunter-Lab	78.8342, -47.2274, 44.2137

Details

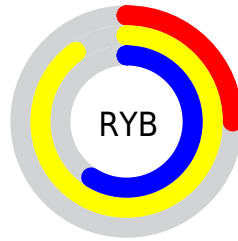
The XYZ color **40.0718, 62.1483, 14.5864** is a dark color, and the websafe version is hex **99FF66**, and the color name is **kiwi**. The color can be described as middle washed chartreuse. A complement of this color would be **28.5011, 15.6982, 75.6602**, and the grayscale version is **45.9154, 48.3066, 52.6059**.

A 20% lighter version of the original color is **63.2986, 85.3180, 31.2210**, and **18.5108, 31.7261, 5.1481** is the 20% darker color. If you saturate the color by 10%, you get **37.6108, 60.9408, 11.7973**, and if you desaturate by 10%, it is **43.0235, 63.5819, 18.7893**.

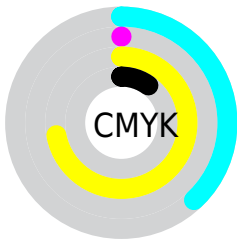
Distribution



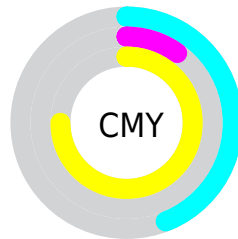
- Red (56%)
- Green (90%)
- Blue (25%)



- Red (25%)
- Yellow (90%)
- Blue (59%)



- Cyan (38%)
- Magenta (0%)
- Yellow (72%)
- Black (10%)





- Cyan (44%)
- Magenta (10%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0718, 62.1483, 14.5864 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 40.0718, 62.1483, 14.5864 by changing the saturation by 10% instead.


 40.0718, 62.1483,
14.5864


 40.0718, 62.1483,
14.5864


337.5553,
432.4718, 232.4029

 27.7790, 45.1525,
8.3862


 74.5565, 107.9398,
34.8579


 18.2987, 31.5776,
4.2518


 97.4791, 137.5044,
49.7664


 11.2657, 21.0391,
1.7645


 124.6756,
172.0274, 68.4147

 6.3144, 13.1526,
0.4044

 156.5115,
211.8931, 91.2214

 3.0797, 7.5337,
0.0000

 193.3520,
257.4860, 118.6050

 1.1960, 3.7980,
0.0000

235.5626,

 0.1032, 1.5612,

309.1905, 150.9841

0.0000

283.5086,
367.3910, 188.7772

■ 0.0000, 0.3313,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0718, 62.1483,
14.5864

■ 40.0718, 62.1483,
14.5864

■ 37.6108, 60.9408,
11.7973

■ 43.0235, 63.5819,
18.7893


■ 35.5938, 59.9335,
10.2311


■ 46.4976, 65.2488,
24.5572


■ 34.3244, 59.2910,
9.6352


■ 50.5275, 67.1652,
32.0261


■ 55.1421, 69.3433,
41.3163

 60.3681, 71.7944,
52.5371

 66.2303, 74.5293,
65.7893

 72.7519, 77.5577,
81.1666

 79.9549, 80.8891,
98.7568

 85.5041, 83.5900,
106.2357

Harmonies

Analogous

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



54.7503, 62.1483, 8.5383



40.0718, 62.1483, 14.5864



31.9583, 62.1483, 35.2871

Triad

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



40.0718, 62.1483, 14.5864



46.2918, 62.1483, 211.8533



101.9134, 62.1483, 55.7592

Complementary

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



40.0718, 62.1483, 14.5864



28.5011, 15.6982, 75.6602

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.



98.3331, 62.1483, 115.5051



40.0718, 62.1483, 14.5864



63.6113, 62.1483, 227.6684

Square

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



40.0718, 62.1483, 14.5864



34.9905, 62.1483, 149.8159



83.2862, 62.1483, 185.8475



92.2416, 62.1483, 22.8802

Rectangle

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



40.0718, 62.1483, 14.5864



30.1662, 62.1483, 62.7174



83.2862, 62.1483, 185.8475



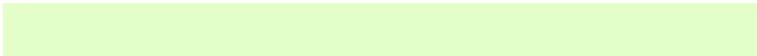
102.2481, 62.1483, 72.8745

Sweetspot

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



40.0733, 62.1510, 14.5878



77.2947, 91.7424, 67.6062



43.9234, 38.4406, 9.8082



16.1362, 19.4457, 13.5751



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.



40.0733, 62.1510, 14.5878



46.6376, 77.0956, 13.8728



31.0476, 57.4889, 14.5793



14.8385, 16.4238, 15.2925



19.7611, 33.9687, 5.5151



1.5669, 2.5652, 0.4125

Inverse Universe

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



28.5011, 15.6982, 75.6602



31.0708, 14.7460, 95.8164



47.8527, 25.7186, 74.5651



14.3001, 14.2569, 18.1425



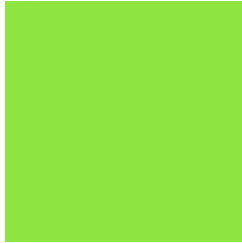
12.6571, 5.5908, 42.7952



1.0424, 0.4684, 3.1674

Previews

White Background



This preview shows how the XYZ color 40.0718, 62.1483, 14.5864 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 40.0718, 62.1483, 14.5864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

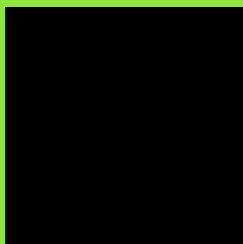
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0718, 62.1483, 14.5864

Background



This preview shows how black text looks on a background with the XYZ color 40.0718, 62.1483, 14.5864.

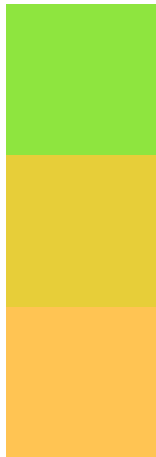


This preview shows how white text looks on a background with the XYZ color 40.0718, 62.1483,

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**

40.0718, 62.1483, 14.5864

Protanopia

55.7648, 61.4269, 12.7884

Deuteranopia

62.5413, 61.3644, 16.7318



Tritanopia

54.1963, 61.9696, 84.7062

Trichromacy



Original Color

40.0718, 62.1483, 14.5864



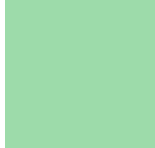
Protanomaly

48.3892, 60.5510, 13.2748



Deuteranomaly

51.5919, 59.9297, 15.6859



Tritanomaly

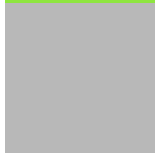
46.4918, 60.7334, 47.3026

Monochromacy



Original Color

40.0718, 62.1483, 14.5864



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.7501, 51.6370, 32.5774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0718, 62.1483, 14.5864 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(142, 229, 63)` looks like.

```
.text, #text, p{  
    color:rgb(142, 229, 63)  
}
```

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(142, 229, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 229, 63) }
```

Border

The CSS property to change the border of an element to XYZ 40.0718, 62.1483, 14.5864 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(142, 229, 63) }
```


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

```
.border{ border-color:rgb(142, 229, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 229, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 229, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 229, 63);  
box-shadow:4px 4px 4px 4px rgb(142, 229,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0718, 62.1483, 14.5864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 229, 63) }
```

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

```
.background{ background-color: rgb(142,  
229, 63) }
```

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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