

Converting Colors

XYZ(41.5039, 64.4763, 18.3403)

Have a look what the booklet for
XYZ(41.5039, 64.4763, 18.3403)
contains.

XYZ(41.5155, 64.4778, 18.4410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.5155, 64.4778,
18.4410)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE953
RGB	140, 233, 83
RGB Percent	55%, 91%, 33%
CMY	0.4510, 0.0863, 0.6745
CMYK	0.40, 0.00, 0.64, 0.09
HSL	97°, 77%, 62%
HSV	97°, 64%, 91%
XYZ	41.5155, 64.4778, 18.4410
YIQ	188.0930, -7.2780, -66.3660

Conversions

Conversions Part 2

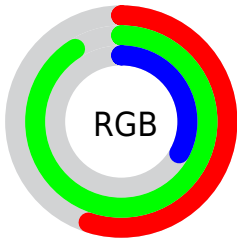
Format	Color
RYB	83, 233, 176
Decimal	9234771
CIELab	84.21, -52.59, 62.13
CIELCh	84, 81.397, 130.247
Yxy	64.4778, 0.3336, 0.5182
Android (android.graphics.Color)	4287424851 (0xFF8CE953)
YUV	188.0930, -51.8108, -42.1776
Hunter-Lab	80.2981, -48.2340, 42.5923

Details

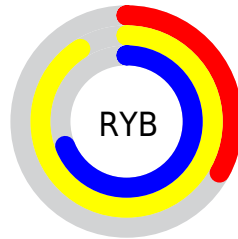
The XYZ color **41.5155, 64.4778, 18.4410** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **35.7089, 21.3019, 79.3239**, and the grayscale version is **48.1427, 50.6499, 55.1577**.

A 20% lighter version of the original color is **63.9006, 85.4971, 37.1794**, and **19.2417, 33.2441, 6.0644** is the 20% darker color. If you saturate the color by 10%, you get **38.4865, 63.0054, 14.3669**, and if you desaturate by 10%, it is **45.1694, 66.2415, 24.1243**.

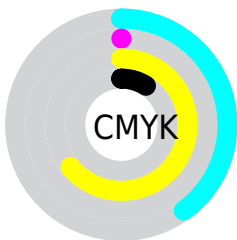
Distribution



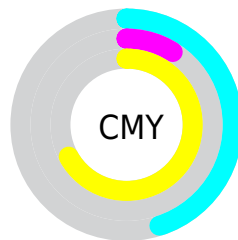
- Red (55%)
- Green (91%)
- Blue (33%)



- Red (33%)
- Yellow (91%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (64%)
- Black (9%)





- Cyan (45%)
- Magenta (9%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5155, 64.4778, 18.4410 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 41.5155, 64.4778, 18.4410 by changing the saturation by 10% instead.


 41.5155, 64.4778,
18.4410

 41.5155, 64.4778,
18.4410


343.4964,
440.9130, 255.6642


 28.9116, 47.0378,
11.0944


 76.7356, 111.2988,
41.6114

 19.1579, 33.0655,
6.0154


 100.0825,
141.4485, 58.2722

 11.8891, 22.1766,
2.7855

 127.7410,
176.6036, 78.8749

 6.7399, 13.9867,
0.9862

 160.0766,
217.1484, 103.8379

 3.3448, 8.1114,
0.0000

197.4546,
263.4673, 133.5798

 1.3386, 4.1663,
0.0000

240.2403,

 0.2119, 1.7670,

315.9448, 168.5191

0.0000

288.7991,
374.9653, 209.0744

0.0000, 0.4665,
0.0000

0.0000, 0.0000,
0.0000

41.5155, 64.4778,
18.4410

41.5155, 64.4778,
18.4410

38.4865, 63.0054,
14.3669

45.1694, 66.2415,
24.1243

36.0338, 61.7968,
11.7304


49.4826, 68.3050,
31.5568


34.1071, 60.8325,
10.3285


54.4920, 70.6865,
40.8682


33.2156, 60.3814,
9.9041

60.2301, 73.4003,
52.1748

 66.7273, 76.4597,
65.5834

 74.0120, 79.8771,
81.1931

 82.1112, 83.6645,
99.0970

 88.4302, 86.7605,
106.6934

Harmonies

Analogous

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



55.3257, 64.4778, 10.8365



41.5155, 64.4778, 18.4410



34.1190, 64.4778, 41.7277

Triad

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



41.5155, 64.4778, 18.4410



50.3052, 64.4778, 211.1079



102.0888, 64.4778, 53.9933

Complementary

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



41.5155, 64.4778, 18.4410



35.7089, 21.3019, 79.3239

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.



100.0147, 64.4778, 109.3611



41.5155, 64.4778, 18.4410



67.6559, 64.4778, 220.0992

Square

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



41.5155, 64.4778, 18.4410



38.4620, 64.4778, 155.7993



86.5030, 64.4778, 176.4312



91.7130, 64.4778, 23.6330

Rectangle

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



41.5155, 64.4778, 18.4410



32.7581, 64.4778, 70.6334



86.5030, 64.4778, 176.4312



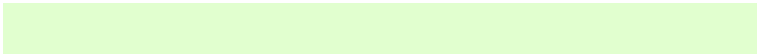
102.8667, 64.4778, 69.7791

Sweetspot

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



41.5170, 64.4806, 18.4424



78.0063, 92.0041, 72.3906



50.5957, 48.8058, 14.9384



16.2128, 19.4648, 14.5012



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.



41.5170, 64.4806, 18.4424



46.2539, 76.8396, 16.4839



35.0327, 61.0496, 22.1224



15.4093, 17.1410, 16.0151



18.9737, 34.3258, 5.6255



1.5939, 2.7490, 0.4466

Inverse Universe

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



35.7089, 21.3019, 79.3239



38.5100, 20.0626, 96.4505



49.0302, 28.4440, 67.5366



15.1283, 15.0114, 19.0224



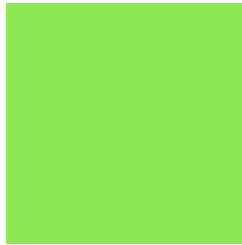
15.0604, 6.7998, 44.2617



1.2890, 0.5888, 3.4806

Previews

White Background



This preview shows how the XYZ color 41.5155, 64.4778, 18.4410 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 41.5155, 64.4778, 18.4410 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

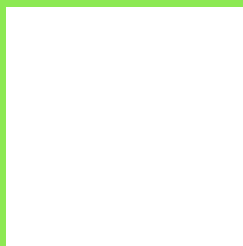
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5155, 64.4778, 18.4410

Background



This preview shows how black text looks on a background with the XYZ color 41.5155, 64.4778, 18.4410.

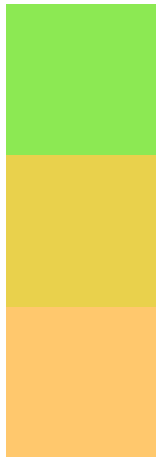


This preview shows how white text looks on a background with the XYZ color 41.5155, 64.4778,

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

41.5155, 64.4778, 18.4410

Protanopia

57.7092, 63.4464, 16.0422

Deuteranopia

64.6546, 63.6727, 23.3504



Tritanopia

55.5216, 64.0914, 88.8015

Trichromacy



Original Color

41.5155, 64.4778, 18.4410



Protanomaly

50.0359, 62.8494, 16.8911



Deuteranomaly

53.2843, 62.1532, 21.2450



Tritanomaly

48.1435, 63.0392, 52.8104

Monochromacy



Original Color

41.5155, 64.4778, 18.4410



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.8925, 54.0457, 36.9726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5155, 64.4778, 18.4410 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(140, 233, 83)` looks like.

```
.text, #text, p{  
    color:rgb(140, 233, 83)  
}
```

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(140, 233, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 233, 83) }
```

Border

The CSS property to change the border of an element to XYZ 41.5155, 64.4778, 18.4410 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(140, 233, 83) }
```


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

```
.border{ border-color:rgb(140, 233, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 233, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 233, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 233, 83);  
box-shadow:4px 4px 4px 4px rgb(140, 233,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5155, 64.4778, 18.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 233, 83) }
```

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

```
.background{ background-color: rgb(140,  
233, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor