

Converting Colors

XYZ(62.4056, 101.0845,
44.6134)

Have a look what the booklet for
XYZ(62.4056, 101.0845, 44.6134)
contains.

XYZ(51.3382, 78.9242, 40.9619)	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(51.3382, 78.9242,
40.9619)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF95
RGB	136, 255, 149
RGB Percent	53%, 100%, 58%
CMY	0.4667, 0.0000, 0.4157
CMYK	0.47, 0.00, 0.42, 0.00
HSL	127°, 100%, 77%
HSV	127°, 47%, 100%
XYZ	51.3382, 78.9242, 40.9619
YIQ	207.3350, -36.8980, -58.1940

Conversions

Conversions Part 2

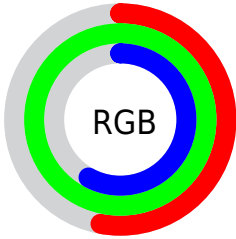
Format	Color
RYB	136, 243, 255
Decimal	8978325
CIELab	91.20, -54.87, 40.45
CIELCh	91, 68.169, 143.604
Yxy	78.9242, 0.2998, 0.4609
Android (android.graphics.Color)	4287168405 (0xFF88FF95)
YUV	207.3350, -28.7592, -62.5608
Hunter-Lab	88.8393, -52.3177, 34.8502

Details

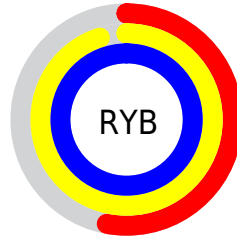
The XYZ color **51.3382, 78.9242, 40.9619** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.0711, 45.2794, 89.2606**, and the grayscale version is **59.7209, 62.8311, 68.4230**.

A 20% lighter version of the original color is **69.1648, 87.4817, 70.3670**, and **25.1044, 42.3321, 18.1570** is the 20% darker color. If you saturate the color by 10%, you get **46.0376, 76.3811, 32.1532**, and if you desaturate by 10%, it is **57.9784, 82.1170, 51.6817**.

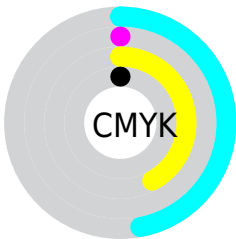
Distribution



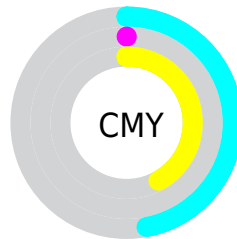
- Red (53%)
- Green (100%)
- Blue (58%)



- Red (53%)
- Yellow (95%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3382, 78.9242, 40.9619 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 51.3382, 78.9242, 40.9619 by changing the saturation by 10% instead.


 51.3382, 78.9242,
40.9619


 51.3382, 78.9242,
40.9619


382.2424,
491.2999, 365.8333

 36.7000, 58.8335,
27.9698


 91.3345, 131.8521,
77.8791

 25.1479, 42.4791,
18.0641


 117.4233,
165.4582, 102.6413

 16.3166, 29.4766,
10.8261


148.0597,
204.3381, 132.1640

 9.8407, 19.4417,
5.8373

183.6089,
248.8763, 166.8657

 5.3549, 11.9898,
2.6792

224.4365,
299.4572, 207.1649

 2.4939, 6.7368,
0.9329

270.9077,

 0.8922, 3.2980,

356.4651, 253.4802

0.0000

323.3879,
420.2846, 306.2302

0.0000, 1.2892,
0.0000

0.0000, 0.1328,
0.0000

51.3382, 78.9242,
40.9619

51.3382, 78.9242,
40.9619

46.0376, 76.3811,
32.1532

57.9784, 82.1170,
51.6817

41.9836, 74.4422,
25.1399

66.0399, 85.9994,
64.4119

39.0735, 73.0572,
19.7994

75.5994, 90.6090,
79.2492

37.1872, 72.1671,
15.9924

86.7275, 95.9803,
96.2830

■ 36.1763, 71.6988, 95.0500, 100.0000,
13.5566 108.9000

■ 35.9679, 71.6032,
13.0150

Harmonies

Analogous

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



62.4906, 78.9242, 24.9348



51.3382, 78.9242, 40.9619



46.6216, 78.9242, 75.7725

Triad

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



51.3382, 78.9242, 40.9619



71.3772, 78.9242, 219.2956



109.7365, 78.9242, 53.2070

Complementary

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



51.3382, 78.9242, 40.9619



66.0711, 45.2794, 89.2606

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.



113.0834, 78.9242, 96.9679



51.3382, 78.9242, 40.9619



89.1103, 78.9242, 205.8296

Square

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



51.3382, 78.9242, 40.9619



56.9892, 78.9242, 187.4449



105.0393, 78.9242, 155.6026



96.4900, 78.9242, 29.8711

Rectangle

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



51.3382, 78.9242, 40.9619



47.1515, 78.9242, 110.2973



105.0393, 78.9242, 155.6026



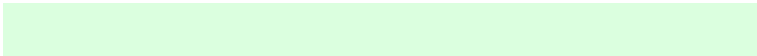
112.1331, 78.9242, 65.4534

Sweetspot

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



51.3386, 78.9244, 40.9631



78.4101, 91.9652, 83.5723



77.2008, 92.3701, 37.0534



16.2943, 19.4485, 17.1365



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

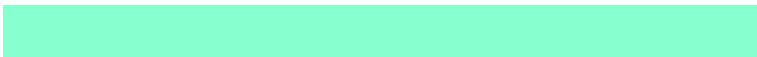
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3386, 78.9244, 40.9631



46.3508, 76.5312, 32.6829



57.2251, 81.2790, 71.9609



17.8522, 20.2004, 19.5248



18.8198, 37.4245, 6.9362



1.8575, 3.6539, 0.8074

Inverse Universe

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



66.0711, 45.2794, 89.2606



62.6951, 39.1481, 86.2218



58.6543, 42.3127, 50.2041



18.7021, 18.2642, 22.3145



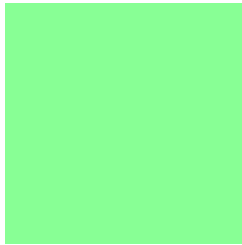
28.8381, 14.0245, 39.3932



2.8313, 1.3749, 3.9590

Previews

White Background



This preview shows how the XYZ color 51.3382, 78.9242, 40.9619 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 51.3382, 78.9242, 40.9619 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 51.3382, 78.9242, 40.9619

Background



This preview shows how black text looks on a background with the XYZ color 51.3382, 78.9242, 40.9619.



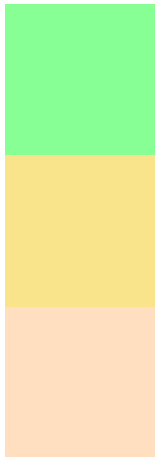
This preview shows how white text looks on a background with the XYZ color 51.3382, 78.9242,

40.9619.

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

51.3382, 78.9242, 40.9619

Protanopia

71.4705, 77.4906, 35.6164

Deuteranopia

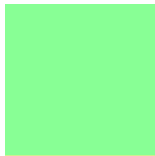
77.0316, 77.7969, 60.2465



Tritanopia

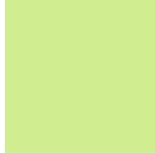
67.0480, 78.3001, 106.1874

Trichromacy



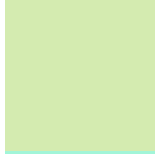
Original Color

51.3382, 78.9242, 40.9619



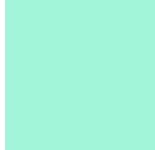
Protanomaly

61.5449, 76.5421, 37.5170



Deuteranomaly

64.6962, 76.5483, 52.4397



Tritanomaly

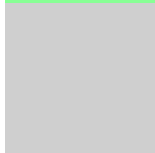
59.9474, 77.9441, 76.8509

Monochromacy



Original Color

51.3382, 78.9242, 40.9619



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5746, 66.6802, 56.4486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3382, 78.9242, 40.9619 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(136, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 149)  
}
```

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(136, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 51.3382, 78.9242, 40.9619 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(136, 255, 149) }
```


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

```
.border{ border-color:rgb(136, 255, 149) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3382, 78.9242, 40.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 149) }
```

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

```
.background{ background-color: rgb(136,  
255, 149) }
```

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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