

# Converting Colors

XYZ(52.5068, 77.0612, 50.3113)

Have a look what the booklet for  
XYZ(52.5068, 77.0612, 50.3113)  
contains.

<b>XYZ(52.4258, 76.9362, 50.1173)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(52.4258, 76.9362,  
50.1173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFAAA
RGB	141, 250, 170
RGB Percent	55%, 98%, 67%
CMY	0.4471, 0.0196, 0.3333
CMYK	0.44, 0.00, 0.32, 0.02
HSL	136°, 92%, 77%
HSV	136°, 44%, 98%
XYZ	52.4258, 76.9362, 50.1173
YIQ	208.2890, -39.2840, -47.9880

# Conversions

## Conversions Part 2

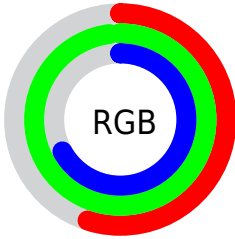
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 227, 250
Decimal	9304746
CIELab	90.29, -48.10, 28.84
CIELCh	90, 56.088, 149.055
Yxy	76.9362, 0.2921, 0.4287
Android (android.graphics.Color)	4287494826 (0xFF8DFAAA)
YUV	208.2890, -18.8765, -59.0125
Hunter-Lab	87.7133, -46.8097, 27.5224

# Details

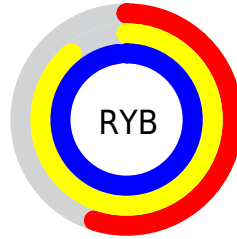
The XYZ color **52.4258, 76.9362, 50.1173** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.0028, 44.5958, 73.7492**, and the grayscale version is **60.2803, 63.4196, 69.0639**.

A 20% lighter version of the original color is **73.0407, 89.1531, 85.3101**, and **25.8481, 41.2633, 23.4319** is the 20% darker color. If you saturate the color by 10%, you get **47.0288, 74.3429, 41.4282**, and if you desaturate by 10%, it is **59.0285, 80.1274, 60.1309**.

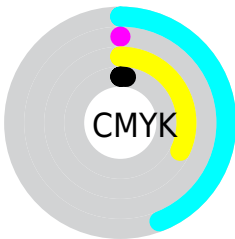
# Distribution



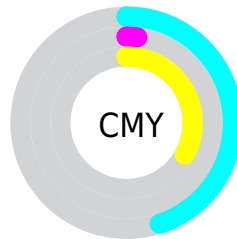
- Red (55%)
- Green (98%)
- Blue (67%)



- Red (55%)
- Yellow (89%)
- Blue (98%)



- Cyan (44%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)




- Cyan (45%)
- Magenta (2%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4258, 76.9362, 50.1173 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 52.4258, 76.9362, 50.1173 by changing the saturation by 10% instead.





 52.4258, 76.9362,  
50.1173


 52.4258, 76.9362,  
50.1173


386.3753,  
484.5465, 403.8727

 37.5702, 57.2005,  
35.1348


 92.9294, 129.0494,  
91.7467

 25.8250, 41.1662,  
23.4823


 119.3082,  
162.1957, 119.2307

 16.8248, 28.4490,  
14.7414


150.2587,  
200.5811, 151.7190

 10.2042, 18.6644,  
8.4935

186.1463,  
244.5898, 189.6300

 5.5978, 11.4280,  
4.3201

227.3364,  
294.6063, 233.3823

 2.6404, 6.3555,  
1.8025


274.1944,


 0.9666, 3.0624,


351.0150, 283.3945


0.4296


327.0856,  
414.2002, 340.0851


 0.0000, 1.1644,  
0.0000


 0.0000, 0.0324,  
0.0000


 52.4258, 76.9362,  
50.1173


 52.4258, 76.9362,  
50.1173


 47.0288, 74.3429,  
41.4282


 59.0285, 80.1274,  
60.1309


 42.7562, 72.3002,  
34.0027


 66.8995, 83.9412,  
71.5160


 39.5258, 70.7692,  
27.7829


 76.1042, 88.4125,  
84.3237

 37.2409, 69.7013,  
22.7043

 86.7018, 93.5707,  
98.6010

 35.7852, 69.0381,  
18.6959

 93.4771, 96.8541,  
108.3757

 35.1857, 68.7736,  
16.6544

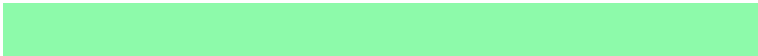
# Harmonies

## Analogous

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



60.8430, 76.9362, 32.9189



52.4258, 76.9362, 50.1173



49.4257, 76.9362, 82.5077

# Triad

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



52.4258, 76.9362, 50.1173



72.6833, 76.9362, 186.6085



99.2042, 76.9362, 51.6943

# Complementary

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



52.4258, 76.9362, 50.1173



62.0028, 44.5958, 73.7492

# 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.



103.3992, 76.9362, 85.0460



52.4258, 76.9362, 50.1173



86.9589, 76.9362, 170.5981

# Square

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



52.4258, 76.9362, 50.1173



60.1666, 76.9362, 168.5671



98.6621, 76.9362, 129.8726

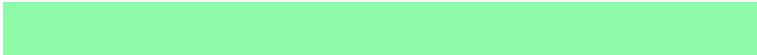


87.8233, 76.9362, 33.6045



# Rectangle

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



52.4258, 76.9362, 50.1173



50.5648, 76.9362, 111.4731



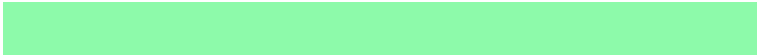
98.6621, 76.9362, 129.8726



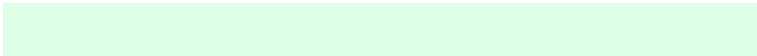
101.5610, 76.9362, 61.0857

# Sweetspot

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



52.4278, 76.9394, 50.1190



80.2155, 92.7768, 89.0369



69.3506, 85.9462, 38.1341



16.6836, 19.6219, 18.3918



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.



52.4278, 76.9394, 50.1190



49.9868, 78.1444, 44.6519



58.4580, 79.3515, 81.8735



17.2070, 19.3851, 19.2906



18.7133, 36.4983, 9.0994



1.7751, 3.3971, 1.0635



# Inverse Universe

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



62.0028, 44.5958, 73.7492



61.1301, 40.4300, 72.0984



56.0426, 42.2117, 42.3631



17.7843, 17.4411, 20.7201



25.5353, 12.6298, 25.3251

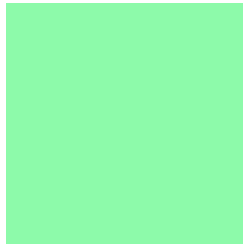


2.4089, 1.1873, 2.5765



# Previews

## White Background



This preview shows how the XYZ color 52.4258, 76.9362, 50.1173 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 52.4258, 76.9362, 50.1173 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 52.4258, 76.9362, 50.1173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4258, 76.9362, 50.1173.



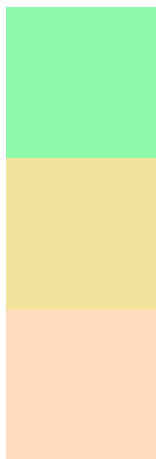
This preview shows how white text looks on a background with the XYZ color 52.4258, 76.9362,



# 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

52.4258, 76.9362, 50.1173

### Protanopia

70.7626, 76.1290, 43.7657

### Deuteranopia

75.9755, 75.6846, 59.8945



## Tritanopia

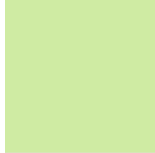
64.9867, 76.8041, 106.0072

# Trichromacy



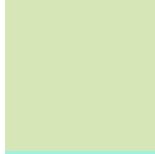
## Original Color

52.4258, 76.9362, 50.1173



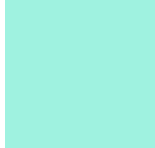
## Protanomaly

62.0513, 75.3264, 45.9193



## Deuteranomaly

64.5756, 74.3087, 55.7393



## Tritanomaly

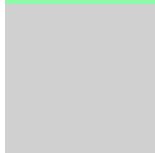
59.5048, 76.2570, 82.1039

# Monochromacy



## Original Color

52.4258, 76.9362, 50.1173



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.8924, 66.8607, 60.9985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4258, 76.9362, 50.1173 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(141, 250, 170)` looks like.

```
.text, #text, p{  
    color:rgb(141, 250, 170)  
}
```

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(141, 250, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 250, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4258, 76.9362, 50.1173 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(141, 250, 170) }
```



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

```
.border{ border-color:rgb(141, 250, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 250, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 250, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 250, 170);  
box-shadow:4px 4px 4px 4px rgb(141, 250,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4258, 76.9362, 50.1173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 250, 170) }
```

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

```
.background{ background-color: rgb(141,  
250, 170) }
```

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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