

# Converting Colors

XYZ(54.3775, 73.1685, 49.7603)

Have a look what the booklet for  
XYZ(54.3775, 73.1685, 49.7603)  
contains.

<b>XYZ(54.3656, 72.9981, 49.7528)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(54.3656, 72.9981,  
49.7528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8EFAB
RGB	168, 239, 171
RGB Percent	66%, 94%, 67%
CMY	0.3412, 0.0627, 0.3294
CMYK	0.30, 0.00, 0.28, 0.06
HSL	123°, 69%, 80%
HSV	123°, 30%, 94%
XYZ	54.3656, 72.9981, 49.7528
YIQ	210.0190, -20.4880, -36.2000

# Conversions

## Conversions Part 2

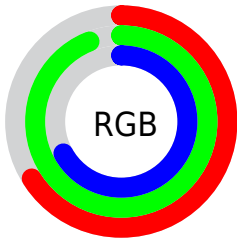
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 236, 239
Decimal	11071403
CIELab	88.45, -35.15, 26.04
CIELCh	88, 43.745, 143.476
Yxy	72.9981, 0.3069, 0.4121
Android (android.graphics.Color)	4289261483 (0xFFA8EFAB)
YUV	210.0190, -19.2364, -36.8507
Hunter-Lab	85.4389, -35.9369, 25.2815

# Details

The XYZ color **54.3656, 72.9981, 49.7528** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.7419, 52.4135, 86.0641**, and the grayscale version is **61.4045, 64.6024, 70.3520**.

A 20% lighter version of the original color is **80.6765, 93.0736, 86.3859**, and **27.1429, 38.7524, 23.1889** is the 20% darker color. If you saturate the color by 10%, you get **47.7413, 69.8159, 39.0231**, and if you desaturate by 10%, it is **62.3068, 76.8197, 62.5195**.

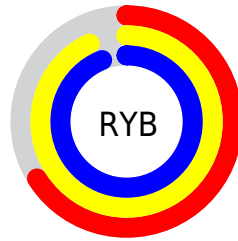
# Distribution



Red (66%)

Green (94%)

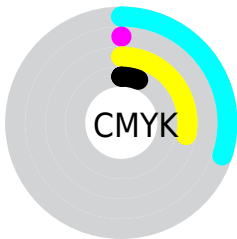
Blue (67%)



Red (66%)

Yellow (93%)

Blue (94%)

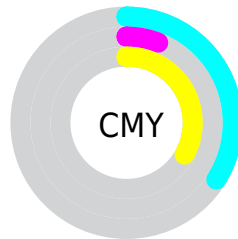


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (6%)



Cyan (34%)

Magenta (6%)

Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3656, 72.9981, 49.7528 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 54.3656, 72.9981, 49.7528 by changing the saturation by 10% instead.





 54.3656, 72.9981,  
49.7528

 54.3656, 72.9981,  
49.7528


393.6783,  
471.0082, 402.4058

 39.1259, 53.9744,  
34.8472


 95.7646, 123.4745,  
91.2010

 27.0388, 38.5812,  
23.2626


122.6546,  
155.6960, 118.5808

 17.7391, 26.4341,  
14.5804


154.1586,  
193.0856, 150.9556

 10.8614, 17.1487,  
8.3821

190.6422,  
236.0276, 188.7442

 6.0403, 10.3405,  
4.2491

232.4706,  
284.9065, 232.3649

 2.9105, 5.6253,  
1.7630


280.0091,


 1.1066, 2.6186,

340.1066, 282.2364


0.4034


333.6233,  
402.0124, 338.7772


 0.0306, 0.9360,  
0.0000


 0.0000, 0.0000,  
0.0000


 54.3656, 72.9981,  
49.7528


 54.3656, 72.9981,  
49.7528


 47.7413, 69.8159,  
39.0231


 62.3068, 76.8197,  
62.5195


 42.3573, 67.2296,  
30.2206

 71.6245, 81.3031,  
77.4156

 38.1381, 65.2049,  
23.2325

 82.3818, 86.4810,  
94.5341

 34.9977, 63.7000,  
17.9324

 90.1579, 90.2159,  
107.2693

■ 32.8379, 62.6674,  
14.1778

■ 31.5429, 62.0510,  
11.8024

■ 30.9358, 61.7640,  
10.6009

■ 30.9233, 61.7580,  
10.5808

# Harmonies

## Analogous

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



61.6334, 72.9981, 37.3123



54.3656, 72.9981, 49.7528



51.1658, 72.9981, 73.0812

# Triad

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



54.3656, 72.9981, 49.7528



67.1098, 72.9981, 152.0366



89.6359, 72.9981, 58.5690

# Complementary

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



54.3656, 72.9981, 49.7528



64.7419, 52.4135, 86.0641

# 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.



91.4788, 72.9981, 86.2472



54.3656, 72.9981, 49.7528



77.7553, 72.9981, 145.3279

# Square

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



54.3656, 72.9981, 49.7528



58.0280, 72.9981, 135.7075



86.9376, 72.9981, 119.1803



82.1292, 72.9981, 41.4305



# Rectangle

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



54.3656, 72.9981, 49.7528



51.5142, 72.9981, 93.7592



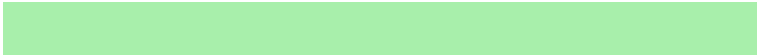
86.9376, 72.9981, 119.1803



90.9677, 72.9981, 66.7341

# Sweetspot

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



54.3675, 73.0012, 49.7544



83.7658, 94.5685, 90.9445



72.7403, 82.5054, 49.1376



17.5666, 20.0670, 18.8873



0.0000, 0.0000, 0.0000

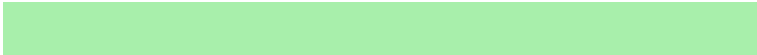


20.3446, 21.4041, 23.3091

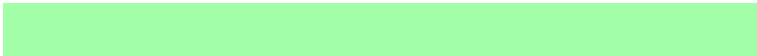


# Same Dimension

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



54.3675, 73.0012, 49.7544



57.8877, 82.1207, 49.3981



58.1413, 74.5107, 69.6272



15.5930, 17.6672, 16.8795



17.1000, 34.1320, 5.9097



1.4320, 2.8432, 0.5414



# Inverse Universe

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



64.7419, 52.4135, 86.0641



71.8042, 54.4980, 98.1003



60.1597, 50.5806, 61.9346



16.4237, 16.0192, 19.7875



27.4920, 13.2692, 42.1031

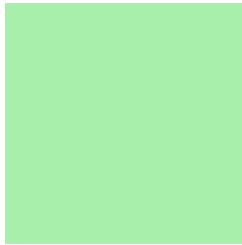


2.2960, 1.1074, 3.5494



# Previews

## White Background



This preview shows how the XYZ color 54.3656, 72.9981, 49.7528 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 54.3656, 72.9981, 49.7528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

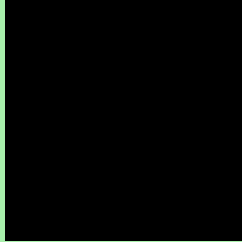
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.3656, 72.9981, 49.7528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3656, 72.9981, 49.7528.



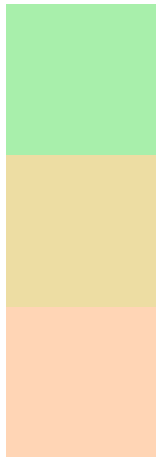
This preview shows how white text looks on a background with the XYZ color 54.3656, 72.9981,

49.7528.

# 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

54.3656, 72.9981, 49.7528

### Protanopia

67.3924, 72.3618, 45.0656

### Deuteranopia

73.3747, 72.1847, 53.7818



## Tritanopia

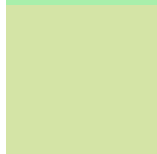
64.0992, 72.6991, 98.6496

# Trichromacy



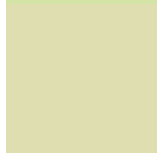
## Original Color

54.3656, 72.9981, 49.7528



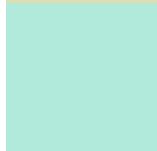
## Protanomaly

61.7777, 72.2370, 46.7635



## Deuteranomaly

64.4885, 71.1049, 51.9207



## Tritanomaly

60.0566, 72.7394, 77.8926

# Monochromacy



## Original Color

54.3656, 72.9981, 49.7528



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.3259, 67.3005, 62.1407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3656, 72.9981, 49.7528 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(168, 239, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 239, 171)  
}
```

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(168, 239, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 239, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3656, 72.9981, 49.7528 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(168, 239, 171) }
```



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

```
.border{ border-color:rgb(168, 239, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 239, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 239, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 239, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 239,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3656, 72.9981, 49.7528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 239, 171) }
```

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

```
.background{ background-color: rgb(168,  
239, 171) }
```

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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