

# Converting Colors

XYZ(54.9151, 72.9474, 51.7434)

Have a look what the booklet for  
XYZ(54.9151, 72.9474, 51.7434)  
contains.

<b>XYZ(54.8900, 72.7903, 51.7144)</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(54.8900, 72.7903,  
51.7144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEEAF
RGB	170, 238, 175
RGB Percent	67%, 93%, 69%
CMY	0.3333, 0.0666, 0.3137
CMYK	0.29, 0.00, 0.26, 0.07
HSL	124°, 67%, 80%
HSV	124°, 29%, 93%
XYZ	54.8900, 72.7903, 51.7144
YIQ	210.4860, -20.3050, -34.0090

# Conversions

## Conversions Part 2

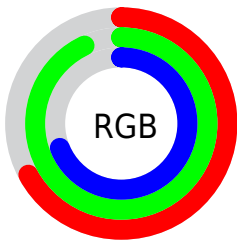
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 233, 238
Decimal	11202223
CIELab	88.35, -33.40, 23.87
CIELCh	88, 41.047, 144.449
Yxy	72.7903, 0.3060, 0.4058
Android (android.graphics.Color)	4289392303 (0xFFAAEEAF)
YUV	210.4860, -17.4946, -35.5062
Hunter-Lab	85.3172, -34.4648, 23.7839

# Details

The XYZ color **54.8900, 72.7903, 51.7144** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3451, 52.8114, 83.8961**, and the grayscale version is **61.7008, 64.9140, 70.6913**.

A 20% lighter version of the original color is **81.8624, 93.6204, 89.3572**, and **27.4433, 38.5740, 24.4115** is the 20% darker color. If you saturate the color by 10%, you get **48.2116, 69.5797, 41.0054**, and if you desaturate by 10%, it is **62.8573, 76.6287, 64.3327**.

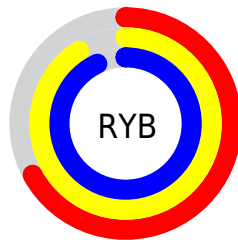
# Distribution



Red (67%)

Green (93%)

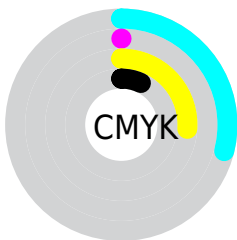
Blue (69%)



Red (67%)

Yellow (91%)

Blue (93%)

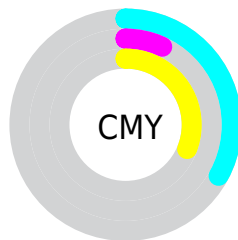


Cyan (29%)

Magenta (0%)

Yellow (26%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8900, 72.7903, 51.7144 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 54.8900, 72.7903, 51.7144 by changing the saturation by 10% instead.





 54.8900, 72.7903,  
51.7144

 54.8900, 72.7903,  
51.7144


395.6380,  
470.2877, 410.2586

 39.5472, 53.8045,  
36.3968


 96.5290, 123.1795,  
94.1322

 27.3683, 38.4454,  
24.4487


123.5559,  
155.3516, 122.0695

 17.9880, 26.3286,  
15.4515


155.2082,  
192.6881, 155.0504

 11.0410, 17.0696,  
8.9868

191.8513,  
235.5731, 193.4935

 6.1619, 10.2841,  
4.6358

233.8504,  
284.3912, 237.8173

 2.9854, 5.5877,  
1.9803


281.5710,

 1.1460, 2.5961,


339.5268, 288.4404


0.5431


335.3784,  
401.3641, 345.7813


 0.0631, 0.9247,  
0.0000


 0.0000, 0.0000,  
0.0000


 54.8900, 72.7903,  
51.7144


 54.8900, 72.7903,  
51.7144


 48.2116, 69.5797,  
41.0054


 62.8573, 76.6287,  
64.3327


 42.7489, 66.9548,  
32.1083

 72.1703, 81.1160,  
78.9419

 38.4303, 64.8830,  
24.9243

 82.8893, 86.2837,  
95.6246

 35.1741, 63.3246,  
19.3433

 89.8660, 89.6319,  
107.1720

■ 32.8881, 62.2345,  
15.2424

■ 31.4638, 61.5599,  
12.4808

■ 30.7506, 61.2267,  
10.8898

■ 30.6811, 61.1940,  
10.7457

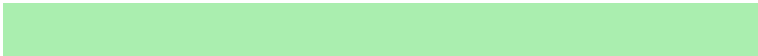
# Harmonies

## Analogous

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



61.6377, 72.7903, 39.4197



54.8900, 72.7903, 51.7144



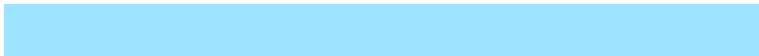
51.9928, 72.7903, 74.1239

# Triad

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



54.8900, 72.7903, 51.7144



67.3689, 72.7903, 146.4384



87.9003, 72.7903, 58.8574

# Complementary

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



54.8900, 72.7903, 51.7144



64.3451, 52.8114, 83.8961

# 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.



89.8021, 72.7903, 84.6202



54.8900, 72.7903, 51.7144



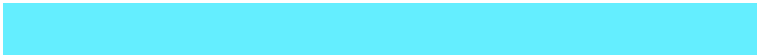
77.3245, 72.7903, 139.6060

# Square

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



54.8900, 72.7903, 51.7144



58.7459, 72.7903, 132.0916



85.7685, 72.7903, 115.1661

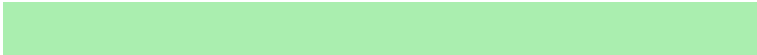


80.7929, 72.7903, 42.8063



# Rectangle

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



54.8900, 72.7903, 51.7144



52.4157, 72.7903, 93.5774



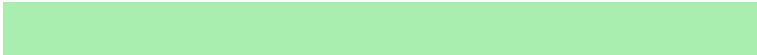
85.7685, 72.7903, 115.1661



89.1963, 72.7903, 66.4763

# Sweetspot

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



54.8919, 72.7934, 51.7160



83.8686, 94.6096, 91.4856



71.5902, 81.4573, 49.9805



17.5916, 20.0770, 19.0192



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

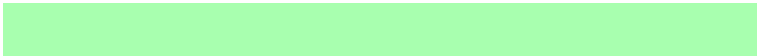


# Same Dimension

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



54.8919, 72.7934, 51.7160



59.6784, 82.9602, 53.2582



58.6052, 74.2787, 71.2697



15.6131, 17.6752, 16.9853



17.1334, 34.1454, 6.0857



1.4416, 2.8471, 0.5920



# Inverse Universe

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



64.3451, 52.8114, 83.8961



72.3384, 56.1923, 96.3491



60.0000, 51.0733, 61.0149



16.4012, 16.0102, 19.6687



26.9365, 13.0470, 39.1776

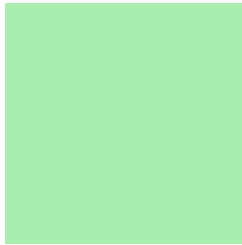


2.2557, 1.0913, 3.3376



# Previews

## White Background



This preview shows how the XYZ color 54.8900, 72.7903, 51.7144 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 54.8900, 72.7903, 51.7144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

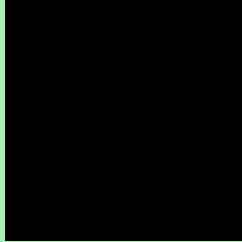
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 54.8900, 72.7903, 51.7144

## Background



This preview shows how black text looks on a background with the XYZ color 54.8900, 72.7903, 51.7144.



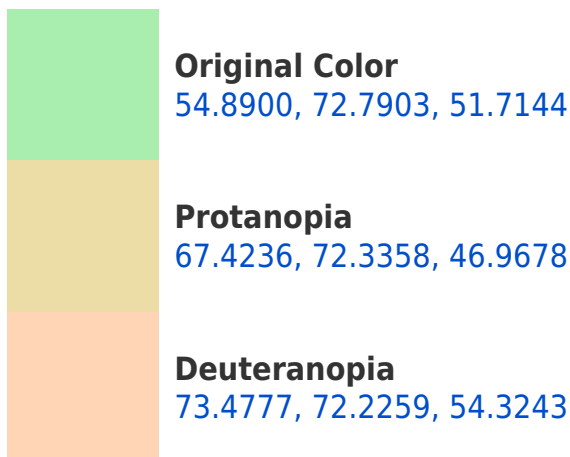
This preview shows how white text looks on a background with the XYZ color 54.8900, 72.7903,



# 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





## Tritanopia

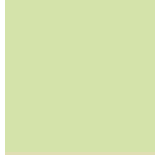
64.3363, 72.8213, 98.6607

# Trichromacy



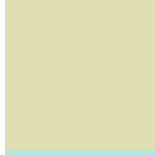
## Original Color

54.8900, 72.7903, 51.7144



## Protanomaly

61.8762, 71.8375, 48.6350



## Deuteranomaly

64.9984, 71.3445, 52.9929



## Tritanomaly

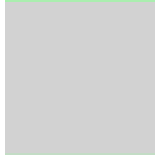
60.2679, 72.3987, 79.2045

# Monochromacy



## Original Color

54.8900, 72.7903, 51.7144



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.1769, 66.8197, 62.6546

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8900, 72.7903, 51.7144 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(170, 238, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 175)  
}
```

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(170, 238, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8900, 72.7903, 51.7144 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(170, 238, 175) }
```



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

```
.border{ border-color:rgb(170, 238, 175) }
```

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

Here you see how a box with a 4 pixel rgb(170, 238, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8900, 72.7903, 51.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 175) }
```

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

```
.background{ background-color: rgb(170,  
238, 175) }
```

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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