

# Converting Colors

XYZ(54.0297, 72.5565, 51.8767)

Have a look what the booklet for  
XYZ(54.0297, 72.5565, 51.8767)  
contains.

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# Color

**XYZ(53.8294, 72.2435,  
51.6647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5EEAF
RGB	165, 238, 175
RGB Percent	65%, 93%, 69%
CMY	0.3529, 0.0666, 0.3137
CMYK	0.31, 0.00, 0.26, 0.07
HSL	128°, 68%, 79%
HSV	128°, 31%, 93%
XYZ	53.8294, 72.2435, 51.6647
YIQ	208.9910, -23.2850, -35.0690

# Conversions

## Conversions Part 2

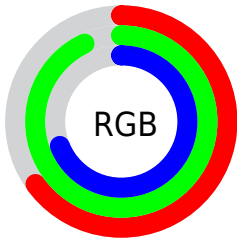
Format	Color
<a href="#">RYB</a>	<a href="#">165, 229, 238</a>
Decimal	<a href="#">10874543</a>
CIELab	<a href="#">88.09, -34.97, 23.46</a>
CIELCh	<a href="#">88, 42.109, 146.136</a>
Yxy	<a href="#">72.2435, 0.3029, 0.4065</a>
Android (android.graphics.Color)	<a href="#">4289064623</a> ( <a href="#">0xFFA5EEAF</a> )
YUV	<a href="#">208.9910, -16.7576, -38.5801</a>
Hunter-Lab	<a href="#">84.9962, -35.6965, 23.4581</a>

# Details

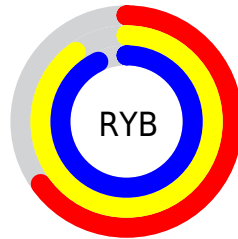
The XYZ color **53.8294, 72.2435, 51.6647** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.7210, 50.6903, 79.8800**, and the grayscale version is **60.7167, 63.8787, 69.5639**.

A 20% lighter version of the original color is **80.3080, 92.8191, 89.2845**, and **26.7963, 38.2405, 24.3812** is the 20% darker color. If you saturate the color by 10%, you get **47.4659, 69.1807, 41.6255**, and if you desaturate by 10%, it is **61.4248, 75.9100, 63.3664**.

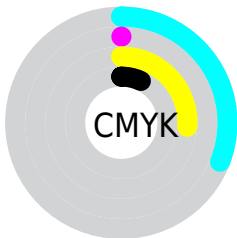
# Distribution



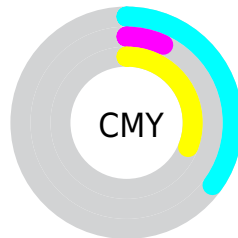
- Red (65%)
- Green (93%)
- Blue (69%)



- Red (65%)
- Yellow (90%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)




- Cyan (35%)
- Magenta (7%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8294, 72.2435, 51.6647 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 53.8294, 72.2435, 51.6647 by changing the saturation by 10% instead.





 53.8294, 72.2435,  
51.6647


 53.8294, 72.2435,  
51.6647


391.6681,  
468.3887, 410.0608

 38.6954, 53.3576,  
36.3575


 94.9821, 122.4027,  
94.0581

 26.7025, 38.0883,  
24.4185


 121.7315,  
154.4447, 121.9814

 17.4854, 26.0512,  
15.4293


153.0834,  
191.6410, 154.9470

 10.6786, 16.8620,  
8.9713

189.4032,  
234.3758, 193.3737

 5.9168, 10.1361,  
4.6259

231.0562,  
283.0336, 237.6799

 2.8348, 5.4893,  
1.9746


278.4078,


 1.0670, 2.5371,


337.9987, 288.2841


0.5396


331.8233,  
399.6556, 345.6049


 0.0000, 0.8952,  
0.0000


 0.0000, 0.0000,  
0.0000


 53.8294, 72.2435,  
51.6647


 53.8294, 72.2435,  
51.6647


 47.4659, 69.1807,  
41.6255


 61.4248, 75.9100,  
63.3664


 42.2636, 66.6806,  
33.1689

 70.3065, 80.2007,  
76.7962

 38.1533, 64.7113,  
26.2155

 80.5327, 85.1461,  
92.0219

 35.0561, 63.2340,  
20.6770

 89.8659, 89.6318,  
107.1720

■ 32.8822, 62.2045,  
16.4563

■ 31.5257, 61.5705,  
13.4435

■ 30.8449, 61.2594,  
11.6086

# Harmonies

## Analogous

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



60.4956, 72.2435, 38.6868



53.8294, 72.2435, 51.6647



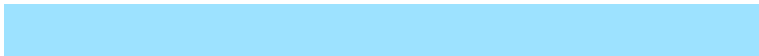
51.1249, 72.2435, 74.9883

# Triad

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



53.8294, 72.2435, 51.6647



67.3707, 72.2435, 147.8506



87.5264, 72.2435, 56.7034

# Complementary

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



53.8294, 72.2435, 51.6647



62.7210, 50.6903, 79.8800

# 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.



89.8186, 72.2435, 82.4514



53.8294, 72.2435, 51.6647



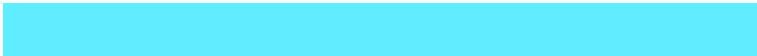
77.5392, 72.2435, 139.5783

# Square

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



53.8294, 72.2435, 51.6647



58.4454, 72.2435, 134.1806



86.0036, 72.2435, 113.7255



80.0121, 72.2435, 41.0585



# Rectangle

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



53.8294, 72.2435, 51.6647



51.7168, 72.2435, 95.0755



86.0036, 72.2435, 113.7255



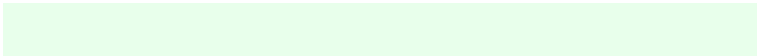
88.9628, 72.2435, 64.2535

# Sweetspot

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



53.8313, 72.2465, 51.6663



84.0784, 94.6936, 92.5906



69.4485, 80.4068, 47.4576



17.6428, 20.0975, 19.2888



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

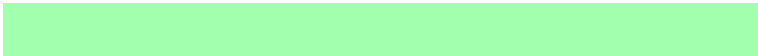


# Same Dimension

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



53.8313, 72.2465, 51.6663



57.9861, 82.1002, 52.6184



57.8808, 73.8663, 72.9908



15.6541, 17.6917, 17.2012



17.2346, 34.1859, 6.6185



1.4611, 2.8549, 0.6947



# Inverse Universe

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



62.7210, 50.6903, 79.8800



69.9620, 53.0429, 90.6142



58.2057, 48.8842, 56.1030



16.3557, 15.9920, 19.4292



25.8817, 12.6251, 33.6232

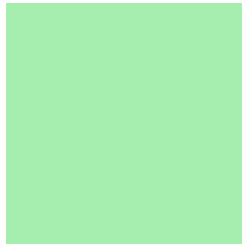


2.1786, 1.0605, 2.9313



# Previews

## White Background



This preview shows how the XYZ color 53.8294, 72.2435, 51.6647 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 53.8294, 72.2435, 51.6647 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

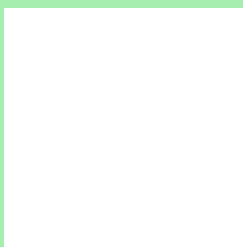
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.8294, 72.2435, 51.6647**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8294, 72.2435, 51.6647.



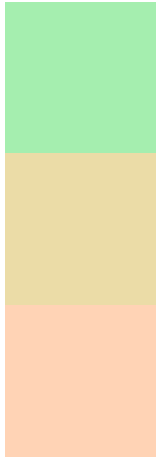
This preview shows how white text looks on a background with the XYZ color 53.8294, 72.2435,

51.6647.

# 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

53.8294, 72.2435, 51.6647

### Protanopia

66.8292, 71.6386, 46.8646

### Deuteranopia

72.8748, 71.1847, 53.6152



## Tritanopia

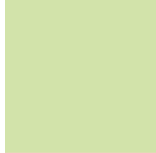
63.3982, 72.3377, 98.6168

# Trichromacy



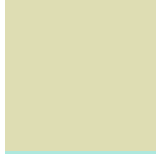
## Original Color

53.8294, 72.2435, 51.6647



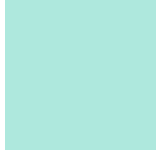
## Protanomaly

61.3031, 71.5421, 48.6082



## Deuteranomaly

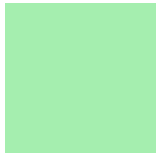
64.1173, 70.4972, 52.8758



## Tritanomaly

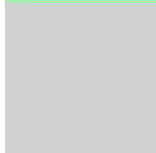
59.3633, 71.9324, 79.1622

# Monochromacy



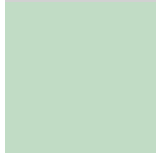
## Original Color

53.8294, 72.2435, 51.6647



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

57.6636, 66.5551, 62.6305

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8294, 72.2435, 51.6647 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(165, 238, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 238, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 238, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8294, 72.2435, 51.6647 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(165, 238, 175) }
```



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

```
.border{ border-color:rgb(165, 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(165, 238, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 238, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 238, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 238,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8294, 72.2435, 51.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 238, 175) }
```

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

```
.background{ background-color: rgb(165,  
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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