

# Converting Colors

XYZ(55.1990, 72.6132, 67.7947)

Have a look what the booklet for  
XYZ(55.1990, 72.6132, 67.7947)  
contains.

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# Color

**XYZ(55.0643, 72.5288,  
67.5972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CEECEB
RGB	156, 238, 203
RGB Percent	61%, 93%, 80%
CMY	0.3882, 0.0666, 0.2039
CMYK	0.34, 0.00, 0.15, 0.07
HSL	154°, 71%, 77%
HSV	154°, 34%, 93%
XYZ	55.0643, 72.5288, 67.5972
YIQ	209.4920, -37.6370, -28.2690

# Conversions

## Conversions Part 2

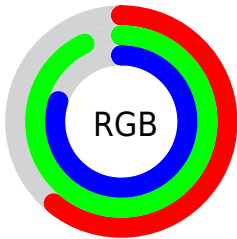
Format	Color
<a href="#">RYB</a>	<a href="#">156, 208, 238</a>
Decimal	<a href="#">10284747</a>
CIELab	<a href="#">88.22, -32.42, 9.08</a>
CIELCh	<a href="#">88, 33.663, 164.355</a>
Yxy	<a href="#">72.5288, 0.2821, 0.3716</a>
Android (android.graphics.Color)	<a href="#">4288474827</a> ( <a href="#">0xFF9CEECEB</a> )
YUV	<a href="#">209.4920, -3.2006, -46.9125</a>
Hunter-Lab	<a href="#">85.1638, -33.6242, 12.5544</a>

# Details

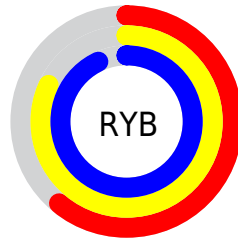
The XYZ color **55.0643, 72.5288, 67.5972** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.5548, 45.7174, 55.1365**, and the grayscale version is **60.9652, 64.1402, 69.8486**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **27.5196, 38.3925, 34.3938** is the 20% darker color. If you saturate the color by 10%, you get **49.7313, 69.9168, 61.2343**, and if you desaturate by 10%, it is **61.3830, 75.6436, 74.4235**.

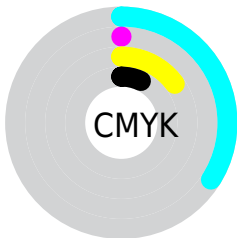
# Distribution



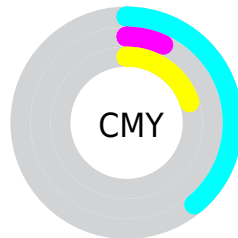
- Red (61%)
- Green (93%)
- Blue (80%)



- Red (61%)
- Yellow (82%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (15%)
- Black (7%)




- Cyan (39%)
- Magenta (7%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0643, 72.5288, 67.5972 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 55.0643, 72.5288, 67.5972 by changing the saturation by 10% instead.




 55.0643, 72.5288,  
67.5972

 55.0643, 72.5288,  
67.5972


396.2881,  
469.3801, 470.6268

 39.6873, 53.5908,  
49.1055


 96.7829, 122.8080,  
117.4245

 27.4779, 38.2746,  
34.3370


 123.8552,  
154.9180, 149.5971

 18.0709, 26.1959,  
22.8731


155.5566,  
192.1875, 187.1671

 11.1009, 16.9702,  
14.2954

192.2525,  
235.0008, 230.5531

 6.2025, 10.2133,  
8.1853

234.3083,  
283.7423, 280.1734

 3.0105, 5.5406,  
4.1243


282.0892,


 1.1593, 2.5678,


338.7964, 336.4468


1.6938


335.9607,  
400.5475, 399.7918


 0.0739, 0.9105,  
0.3565


 0.0000, 0.0000,  
0.0000


 55.0643, 72.5288,  
67.5972


 55.0643, 72.5288,  
67.5972


 49.7313, 69.9168,  
61.2343


 61.3830, 75.6436,  
74.4235


 45.3235, 67.7708,  
55.3195

 68.7316, 79.2781,  
81.7183

 41.7829, 66.0632,  
49.8435

 77.1584, 83.4590,  
89.4929

 39.0422, 64.7592,  
44.7949

 86.7074, 88.2086,  
97.7566

■ 37.0232, 63.8188,  
40.1612

■ 89.6729, 89.5546,  
106.1558

■ 35.6308, 63.1932,  
35.9292

■ 89.8659, 89.6318,  
107.1720

■ 35.0492, 62.9411,  
33.7482

# Harmonies

## Analogous

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



58.6599, 72.5288, 51.2980



55.0643, 72.5288, 67.5972



54.9866, 72.5288, 90.4945

# Triad

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



55.0643, 72.5288, 67.5972



72.8506, 72.5288, 130.2442



80.6216, 72.5288, 51.8296

# Complementary

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



55.0643, 72.5288, 67.5972



56.5548, 45.7174, 55.1365

# 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.



85.0661, 72.5288, 68.4707



55.0643, 72.5288, 67.5972



80.3481, 72.5288, 115.1467

# Square

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



55.0643, 72.5288, 67.5972



64.8412, 72.5288, 129.8836



84.9623, 72.5288, 91.5552



73.2006, 72.5288, 43.4792



# Rectangle

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



55.0643, 72.5288, 67.5972



56.9178, 72.5288, 106.7589



84.9623, 72.5288, 91.5552



82.5380, 72.5288, 56.4798

# Sweetspot

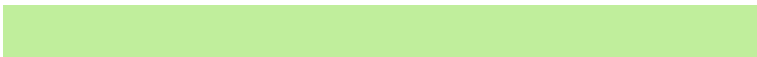
The Sweet Spot groups the original color and five complimentary colors.



55.0663, 72.5318, 67.5988



84.5795, 94.7990, 99.5200



58.1978, 74.6982, 42.8043



17.8110, 20.1458, 21.0291



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

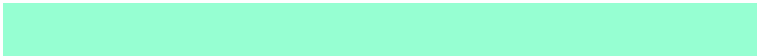


# Same Dimension

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



55.0663, 72.5318, 67.5988



60.1000, 82.7186, 74.0153



58.1522, 71.2579, 91.5817



15.9456, 17.8083, 18.7365



19.6192, 35.1397, 19.1754



1.6818, 2.9432, 1.8569



# Inverse Universe

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



56.5548, 45.7174, 55.1365



62.0773, 47.1602, 57.5064



54.0893, 46.2323, 37.5263



16.0528, 15.8708, 17.8344



21.0599, 10.6964, 8.2320

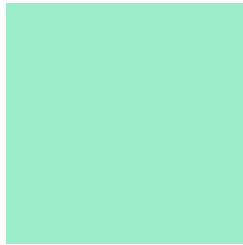


1.8008, 0.9094, 0.9418



# Previews

## White Background



This preview shows how the XYZ color 55.0643, 72.5288, 67.5972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

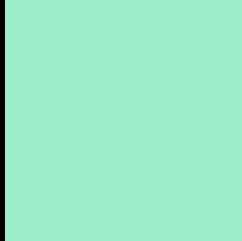
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0643, 72.5288, 67.5972 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

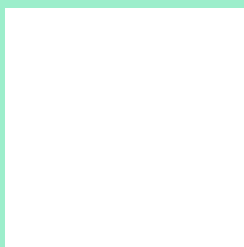
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.0643, 72.5288, 67.5972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0643, 72.5288, 67.5972.



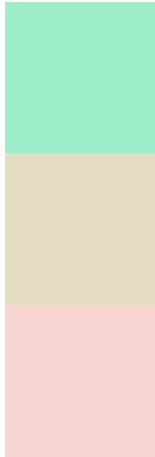
This preview shows how white text looks on a background with the XYZ color 55.0643, 72.5288,



# 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

55.0643, 72.5288, 67.5972

### Protanopia

67.8520, 71.8596, 60.7462

### Deuteranopia

73.1855, 71.7354, 69.6635



## Tritanopia

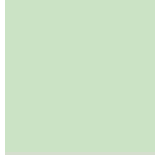
61.5571, 72.1609, 101.1265

# Trichromacy



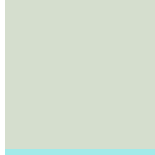
## Original Color

55.0643, 72.5288, 67.5972



## Protanomaly

62.1757, 71.6659, 63.3792



## Deuteranomaly

64.7024, 70.8449, 68.6568



## Tritanomaly

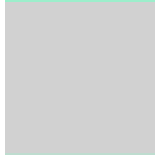
59.0311, 72.4102, 87.9561

# Monochromacy



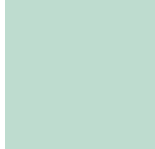
## Original Color

55.0643, 72.5288, 67.5972



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.0909, 66.6385, 68.8323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0643, 72.5288, 67.5972 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(156, 238, 203)` looks like.

```
.text, #text, p{  
    color:rgb(156, 238, 203)  
}
```

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(156, 238, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 238, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0643, 72.5288, 67.5972 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(156, 238, 203) }
```



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

```
.border{ border-color:rgb(156, 238, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 238, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 238, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 238, 203);  
box-shadow:4px 4px 4px 4px rgb(156, 238,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0643, 72.5288, 67.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 238, 203) }
```

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

```
.background{ background-color: rgb(156,  
238, 203) }
```

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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