

# Converting Colors

XYZ(56.6440, 76.3473, 72.3014)

Have a look what the booklet for  
XYZ(56.6440, 76.3473, 72.3014)  
contains.

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# Color

**XYZ(56.5555, 76.2978,  
72.0678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95F5D1
RGB	149, 245, 209
RGB Percent	58%, 96%, 82%
CMY	0.4157, 0.0392, 0.1804
CMYK	0.39, 0.00, 0.15, 0.04
HSL	157°, 83%, 77%
HSV	157°, 39%, 96%
XYZ	56.5555, 76.2978, 72.0678
YIQ	212.1920, -45.6600, -31.5480

# Conversions

## Conversions Part 2

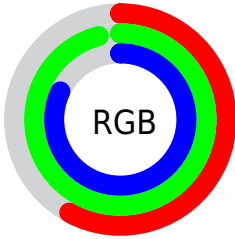
Format	Color
<a href="#">RYB</a>	<a href="#">149, 208, 245</a>
Decimal	<a href="#">9827793</a>
CIELab	<a href="#">90.00, -36.34, 8.46</a>
CIELCh	<a href="#">90, 37.309, 166.899</a>
Yxy	<a href="#">76.2978, 0.2760, 0.3723</a>
Android (android.graphics.Color)	<a href="#">4288017873 (0xFF95F5D1)</a>
YUV	<a href="#">212.1920, -1.5737, -55.4194</a>
Hunter-Lab	<a href="#">87.3486, -37.2869, 12.2263</a>

# Details

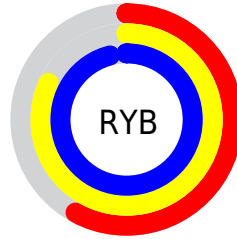
The XYZ color **56.5555, 76.2978, 72.0678** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.1632, 44.4122, 51.4616**, and the grayscale version is **62.7406, 66.0080, 71.8827**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **28.4138, 40.6602, 37.3610** is the 20% darker color. If you saturate the color by 10%, you get **51.4423, 73.7916, 66.0615**, and if you desaturate by 10%, it is **62.6787, 79.3212, 78.4672**.

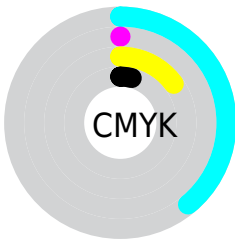
# Distribution



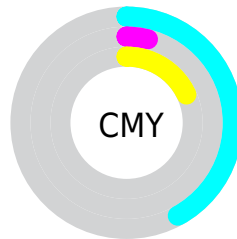
- Red (58%)
- Green (96%)
- Blue (82%)



- Red (58%)
- Yellow (82%)
- Blue (96%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (42%)
- Magenta (4%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5555, 76.2978, 72.0678 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 56.5555, 76.2978, 72.0678 by changing the saturation by 10% instead.




 56.5555, 76.2978,  
72.0678


 56.5555, 76.2978,  
72.0678


401.8228,  
482.3665, 486.7614

 40.8872, 56.6767,  
52.7269

 98.9514, 128.1478,  
123.8615

 28.4183, 40.7458,  
37.1986


 126.4098,  
161.1455, 157.1514

 18.7832, 28.1205,  
25.0643


158.5289,  
199.3708, 195.9281

 11.6168, 18.4165,  
15.9055

195.6740,  
243.2083, 240.6100

 6.5537, 11.2494,  
9.3037

238.2107,  
293.0422, 291.6158

 3.2284, 6.2349,  
4.8403

286.5041,

 1.2757, 2.9884,


349.2569, 349.3639


2.0968


340.9197,  
412.2369, 414.2730


 0.1649, 1.1257,  
0.6138


 0.0000, 0.0000,  
0.0000


 56.5555, 76.2978,  
72.0678


 56.5555, 76.2978,  
72.0678


 51.4423, 73.7916,  
66.0615


 62.6787, 79.3212,  
78.4672


 47.2723, 71.7621,  
60.4345

 69.8609, 82.8808,  
85.2626

 43.9803, 70.1778,  
55.1795

 78.1555, 87.0060,  
92.4637

 41.4894, 68.9995,  
50.2869

 87.6102, 91.7213,  
100.0779

■ 39.7090, 68.1803,  
45.7463

■ 91.9345, 93.7838,  
107.8161

■ 38.5009, 67.6493,  
41.5448

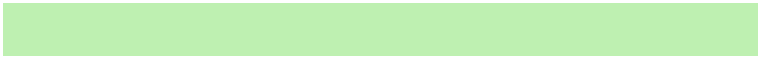
■ 91.9437, 93.7875,  
107.8646

■ 38.4137, 67.6115,  
41.2159

# Harmonies

## Analogous

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



60.3055, 76.2978, 52.9343



56.5555, 76.2978, 72.0678



56.8140, 76.2978, 98.7596

# Triad

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



56.5555, 76.2978, 72.0678



77.8063, 76.2978, 141.8854



85.3476, 76.2978, 51.1887

# Complementary

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



56.5555, 76.2978, 72.0678



57.1632, 44.4122, 51.4616

# 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.



90.8798, 76.2978, 69.1463



56.5555, 76.2978, 72.0678



86.2788, 76.2978, 122.9153

# Square

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



56.5555, 76.2978, 72.0678



68.5659, 76.2978, 143.1357



91.2344, 76.2978, 95.1503



76.6208, 76.2978, 42.7210



# Rectangle

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



56.5555, 76.2978, 72.0678



59.2194, 76.2978, 117.5201



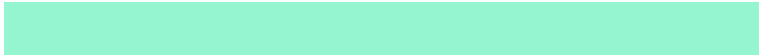
91.2344, 76.2978, 95.1503



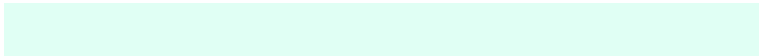
87.6737, 76.2978, 56.1190

# Sweetspot

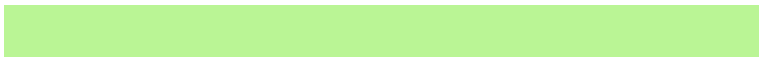
The Sweet Spot groups the original color and five complimentary colors.



56.5576, 76.3009, 72.0695



82.8816, 93.9341, 98.9726



58.2808, 77.8920, 40.3980



17.4803, 19.9765, 20.9614



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

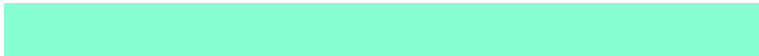


# Same Dimension

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



56.5576, 76.3009, 72.0695



57.4154, 81.3392, 73.6819



58.2442, 71.7169, 97.1627



16.7178, 18.6463, 19.7983



20.7627, 36.4499, 22.5681



1.8746, 3.2235, 2.2454



# Inverse Universe

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



57.1632, 44.4122, 51.4616



58.1729, 41.9290, 48.2585



55.6889, 46.7955, 34.5324



16.7562, 16.5853, 18.4625



21.3857, 10.8977, 6.7393

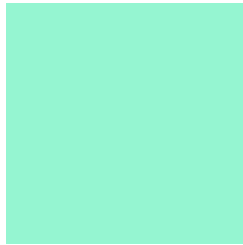


1.9277, 0.9771, 0.8458



# Previews

## White Background



This preview shows how the XYZ color 56.5555, 76.2978, 72.0678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

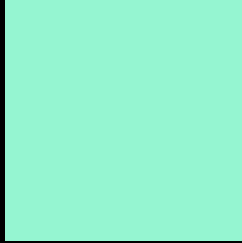
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5555, 76.2978, 72.0678 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 56.5555, 76.2978, 72.0678**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.5555, 76.2978, 72.0678.



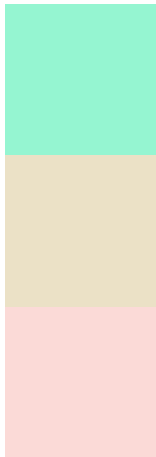
This preview shows how white text looks on a background with the XYZ color 56.5555, 76.2978, 72.0678.

72.0678.

# 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

56.5555, 76.2978, 72.0678

### Protanopia

71.3792, 75.5898, 64.2543

### Deuteranopia

77.1208, 75.5583, 74.8095



## Tritanopia

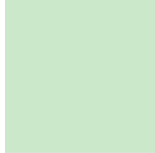
64.2705, 76.0039, 105.8905

# Trichromacy



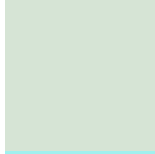
## Original Color

56.5555, 76.2978, 72.0678



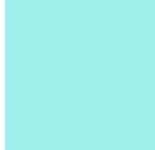
## Protanomaly

64.4191, 74.8149, 66.9226



## Deuteranomaly

67.4852, 74.5870, 73.7907



## Tritanomaly

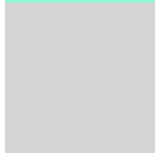
61.0899, 75.9668, 92.3322

# Monochromacy



## Original Color

56.5555, 76.2978, 72.0678



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.3998, 68.8333, 71.7835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5555, 76.2978, 72.0678 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(149, 245, 209)` looks like.

```
.text, #text, p{  
    color:rgb(149, 245, 209)  
}
```

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(149, 245, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 245, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5555, 76.2978, 72.0678 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(149, 245, 209) }
```



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

```
.border{ border-color:rgb(149, 245, 209) }
```

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

Here you see how a box with a 4 pixel rgb(149, 245, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 245, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 245, 209);  
box-shadow:4px 4px 4px 4px rgb(149, 245,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5555, 76.2978, 72.0678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 245, 209) }
```

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

```
.background{ background-color: rgb(149,  
245, 209) }
```

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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