

# Converting Colors

XYZ(55.2979, 72.6901, 65.7597)

Have a look what the booklet for  
XYZ(55.2979, 72.6901, 65.7597)  
contains.

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# Color

**XYZ(55.2979, 72.6901,  
65.7597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FEEC8
RGB	159, 238, 200
RGB Percent	62%, 93%, 78%
CMY	0.3765, 0.0666, 0.2157
CMYK	0.33, 0.00, 0.16, 0.07
HSL	151°, 70%, 78%
HSV	151°, 33%, 93%
XYZ	55.2979, 72.6901, 65.7597
YIQ	210.0470, -34.8860, -28.5660

# Conversions

## Conversions Part 2

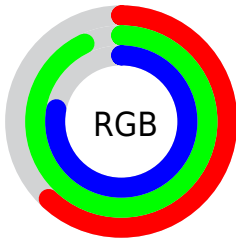
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 211, 238
Decimal	10481352
CIELab	88.30, -32.16, 10.77
CIELCh	88, 33.916, 161.483
Yxy	72.6901, 0.2854, 0.3752
Android (android.graphics.Color)	4288671432 (0xFF9FEEC8)
YUV	210.0470, -4.9532, -44.7682
Hunter-Lab	85.2585, -33.4288, 13.9507

# Details

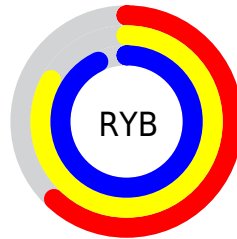
The XYZ color **55.2979, 72.6901, 65.7597** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7385, 47.0063, 58.8561**, and the grayscale version is **61.3389, 64.5333, 70.2767**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **27.7420, 38.5345, 33.1699** is the 20% darker color. If you saturate the color by 10%, you get **49.7369, 69.9741, 58.7752**, and if you desaturate by 10%, it is **61.8718, 75.9206, 73.3178**.

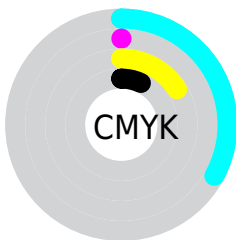
# Distribution



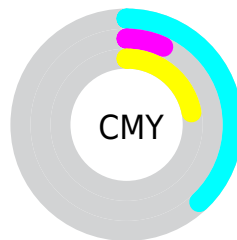
- Red (62%)
- Green (93%)
- Blue (78%)



- Red (62%)
- Yellow (83%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2979, 72.6901, 65.7597 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 55.2979, 72.6901, 65.7597 by changing the saturation by 10% instead.





 55.2979, 72.6901,  
65.7597


 55.2979, 72.6901,  
65.7597


397.1582,  
469.9400, 463.8977

 39.8751, 53.7226,  
47.6221


 97.1231, 123.0372,  
114.7651

 27.6249, 38.3799,  
33.1699


 124.2561,  
155.1855, 146.4700

 18.1821, 26.2777,  
21.9844


156.0233,  
192.4963, 183.5343

 11.1813, 17.0315,  
13.6472

192.7899,  
235.3539, 226.3768

 6.2571, 10.2570,  
7.7398

234.9214,  
284.1426, 275.4158

 3.0442, 5.5697,  
3.8435


282.7830,

 1.1772, 2.5852,


339.2470, 331.0699


1.5399


336.7402,  
401.0513, 393.7577

 0.0882, 0.9192,  
0.2474


 0.0000, 0.0000,  
0.0000


 55.2979, 72.6901,  
65.7597


 55.2979, 72.6901,  
65.7597


 49.7369, 69.9741,  
58.7752


 61.8718, 75.9206,  
73.3178


 45.1282, 67.7358,  
52.3454

 69.5029, 79.6823,  
81.4580

 41.4141, 65.9476,  
46.4575

 78.2400, 84.0021,  
90.1947

 38.5272, 64.5750,  
41.0960

 88.1269, 88.9024,  
99.5405

■ 36.3906, 63.5787,  
36.2446

■ 89.8659, 89.6317,  
107.1720

■ 34.9107, 62.9108,  
31.8859

■ 34.1835, 62.5948,  
29.1895

# Harmonies

## Analogous

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



59.2410, 72.6901, 50.1152



55.2979, 72.6901, 65.7597



54.8710, 72.6901, 88.4012

# Triad

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



55.2979, 72.6901, 65.7597



72.2497, 72.6901, 131.6446



81.4786, 72.6901, 53.0349

# Complementary

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



55.2979, 72.6901, 65.7597



57.7385, 47.0063, 58.8561

# 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.



85.5744, 72.6901, 70.5626



55.2979, 72.6901, 65.7597



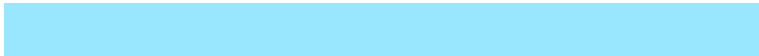
79.9737, 72.6901, 117.6597

# Square

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



55.2979, 72.6901, 65.7597



64.2418, 72.6901, 129.6583



85.0030, 72.6901, 94.2384



74.1757, 72.6901, 43.8246

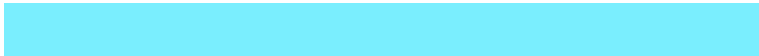


# Rectangle

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



55.2979, 72.6901, 65.7597



56.5943, 72.6901, 104.9139



85.0030, 72.6901, 94.2384



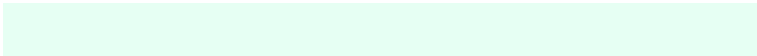
83.3011, 72.6901, 57.9877

# Sweetspot

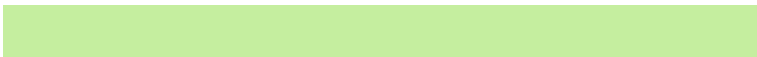
The Sweet Spot groups the original color and five complimentary colors.



55.2999, 72.6931, 65.7613



84.3704, 94.7154, 98.4185



59.9089, 75.5505, 44.2270



17.7604, 20.1256, 20.7625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

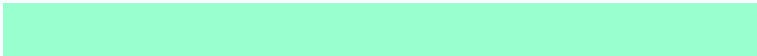


# Same Dimension

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



55.2999, 72.6931, 65.7613



60.0295, 82.7454, 71.1587



59.9256, 73.9322, 92.0044



15.9085, 17.7934, 18.5409



19.1360, 34.9464, 16.6308



1.6422, 2.9273, 1.6483



# Inverse Universe

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



57.7385, 47.0063, 58.8561



63.2996, 48.3098, 61.9060



54.1457, 45.9335, 38.8141



16.0895, 15.8855, 18.0276



21.4461, 10.8509, 10.2656

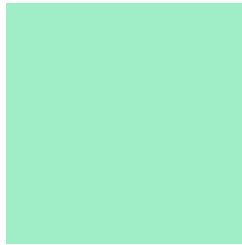


1.8341, 0.9227, 1.1175



# Previews

## White Background



This preview shows how the XYZ color 55.2979, 72.6901, 65.7597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

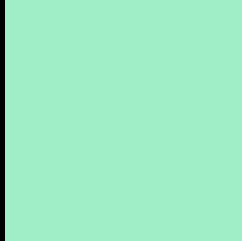
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2979, 72.6901, 65.7597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

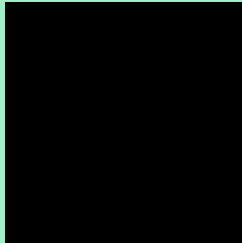
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.2979, 72.6901, 65.7597**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2979, 72.6901, 65.7597.



This preview shows how white text looks on a background with the XYZ color 55.2979, 72.6901,

65.7597.

# 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

55.2979, 72.6901, 65.7597

### Protanopia

67.9522, 71.9369, 59.5940

### Deuteranopia

73.5251, 71.9527, 67.7707



## Tritanopia

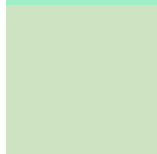
62.4088, 72.6000, 101.1664

# Trichromacy



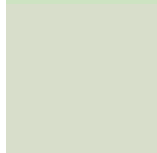
## Original Color

55.2979, 72.6901, 65.7597



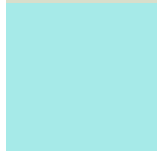
## Protanomaly

62.3835, 71.8123, 61.6121



## Deuteranomaly

65.2197, 71.1533, 66.7964



## Tritanomaly

59.7142, 72.7788, 87.2444

# Monochromacy



## Original Color

55.2979, 72.6901, 65.7597



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.2196, 66.7190, 68.2021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2979, 72.6901, 65.7597 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(159, 238, 200)` looks like.

```
.text, #text, p{  
    color:rgb(159, 238, 200)  
}
```

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(159, 238, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 238, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2979, 72.6901, 65.7597 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(159, 238, 200) }
```



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

```
.border{ border-color:rgb(159, 238, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 238, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 238, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 238, 200);  
box-shadow:4px 4px 4px 4px rgb(159, 238,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2979, 72.6901, 65.7597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 238, 200) }
```

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

```
.background{ background-color: rgb(159,  
238, 200) }
```

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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