

# Converting Colors

XYZ(53.6319, 70.5853, 67.8972)

Have a look what the booklet for  
XYZ(53.6319, 70.5853, 67.8972)  
contains.

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# Color

**XYZ(53.5563, 70.4517,  
67.9026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98EBCC
RGB	152, 235, 204
RGB Percent	60%, 92%, 80%
CMY	0.4039, 0.0784, 0.2000
CMYK	0.35, 0.00, 0.13, 0.08
HSL	158°, 67%, 76%
HSV	158°, 35%, 92%
XYZ	53.5563, 70.4517, 67.9026
YIQ	206.6490, -39.5170, -27.2370

# Conversions

## Conversions Part 2

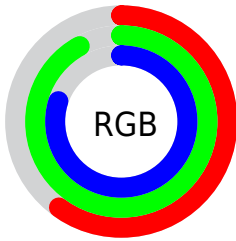
Format	Color
<a href="#">RYB</a>	<a href="#">152, 203, 235</a>
Decimal	<a href="#">10021836</a>
CIELab	<a href="#">87.22, -31.93, 7.09</a>
CIElCh	<a href="#">87, 32.704, 167.480</a>
Yxy	<a href="#">70.4517, 0.2791, 0.3671</a>
Android (android.graphics.Color)	<a href="#">4288211916</a> ( <a href="#">0xFF98EBCC</a> )
YUV	<a href="#">206.6490, -1.3060, -47.9272</a>
Hunter-Lab	<a href="#">83.9355, -32.9926, 10.7901</a>

# Details

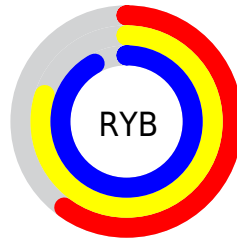
The XYZ color **53.5563, 70.4517, 67.9026** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.0388, 43.5393, 50.3582**, and the grayscale version is **59.1103, 62.1886, 67.7234**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **26.5549, 36.9836, 34.5931** is the 20% darker color. If you saturate the color by 10%, you get **48.5631, 67.9977, 62.3280**, and if you desaturate by 10%, it is **59.4842, 73.3844, 73.8337**.

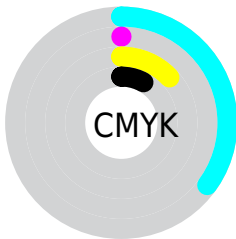
# Distribution



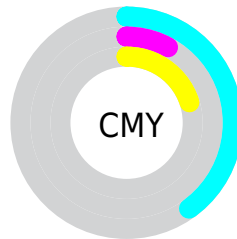
- Red (60%)
- Green (92%)
- Blue (80%)



- Red (60%)
- Yellow (80%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)




- Cyan (40%)
- Magenta (8%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5563, 70.4517, 67.9026 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 53.5563, 70.4517, 67.9026 by changing the saturation by 10% instead.





 53.5563, 70.4517,  
67.9026


 53.5563, 70.4517,  
67.9026


390.6418,  
462.1344, 471.7395

 38.4763, 51.8949,  
49.3523


 94.5832, 119.8527,  
117.8657

 26.5315, 36.9213,  
34.5315


 121.2608,  
151.4656, 150.1156

 17.3564, 25.1465,  
23.0215


152.5349,  
188.1994, 187.7691

 10.5858, 16.1863,  
14.4039


188.7710,  
230.4384, 231.2447

 5.8543, 9.6561,  
8.2602

230.3344,  
278.5670, 280.9610

 2.7965, 5.1715,  
4.1717


277.5904,

 1.0471, 2.3482,


332.9696, 337.3366


1.7200


330.9044,  
394.0306, 400.7899


 0.0000, 0.7991,  
0.3744


 0.0000, 0.0000,  
0.0000


 53.5563, 70.4517,  
67.9026


 53.5563, 70.4517,  
67.9026


 48.5631, 67.9977,  
62.3280


 59.4842, 73.3844,  
73.8337


 44.4459, 65.9867,  
57.0977

 66.3892, 76.8120,  
80.1238

 41.1487, 64.3918,  
52.2053

 74.3184, 80.7605,  
86.7813

 38.6057, 63.1792,  
47.6424

 83.3138, 85.2515,  
93.8130

■ 36.7410, 62.3099,  
43.4001

■ 87.8759, 87.4497,  
100.9661

■ 35.4608, 61.7356,  
39.4683

■ 88.9996, 87.8992,  
106.8832

■ 34.9939, 61.5329,  
37.7298

# Harmonies

## Analogous

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



56.6575, 70.4517, 51.5307



53.5563, 70.4517, 67.9026



53.8418, 70.4517, 90.1273

# Triad

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



53.5563, 70.4517, 67.9026



71.4965, 70.4517, 124.5316



77.4463, 70.4517, 49.5709

# Complementary

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



53.5563, 70.4517, 67.9026



54.0388, 43.5393, 50.3582

# 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.



82.0577, 70.4517, 64.6950



53.5563, 70.4517, 67.9026



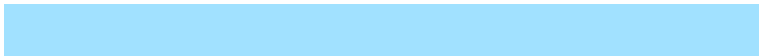
78.4463, 70.4517, 108.9889

# Square

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



53.5563, 70.4517, 67.9026



63.8119, 70.4517, 125.8448



82.4371, 70.4517, 86.2477



70.2146, 70.4517, 42.3883



# Rectangle

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



53.5563, 70.4517, 67.9026



55.9141, 70.4517, 105.4283



82.4371, 70.4517, 86.2477



79.3775, 70.4517, 53.7467

# Sweetspot

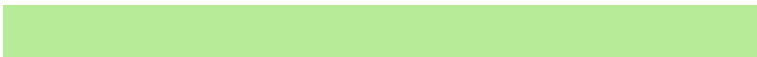
The Sweet Spot groups the original color and five complimentary colors.



53.5583, 70.4546, 67.9042



83.8314, 94.4062, 99.8086



55.1013, 71.8544, 40.6719



17.6704, 20.0709, 21.1314



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.



53.5583, 70.4546, 67.9042



60.2199, 82.7127, 77.0788



54.9574, 66.6981, 88.5781



15.2652, 17.0209, 18.0796



19.5387, 34.2699, 21.3335



1.5806, 2.7095, 1.9191



# Inverse Universe

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



54.0388, 43.5393, 50.3582



60.8809, 46.0351, 53.1993



52.7952, 45.6602, 35.7375



15.2981, 15.1471, 16.8553



20.0998, 10.2426, 6.3267

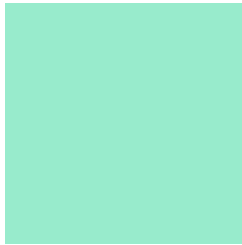


1.6236, 0.8224, 0.7351



# Previews

## White Background



This preview shows how the XYZ color 53.5563, 70.4517, 67.9026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

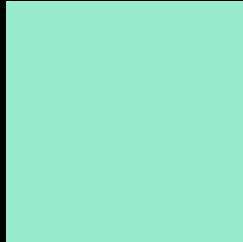
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5563, 70.4517, 67.9026 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 53.5563, 70.4517, 67.9026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5563, 70.4517, 67.9026.



This preview shows how white text looks on a background with the XYZ color 53.5563, 70.4517,



# 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

53.5563, 70.4517, 67.9026

### Protanopia

66.2290, 69.8516, 61.0310

### Deuteranopia

71.1732, 69.5739, 69.9995



## Tritanopia

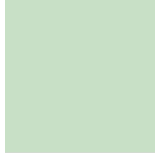
59.7081, 70.4354, 98.4441

# Trichromacy



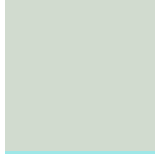
## Original Color

53.5563, 70.4517, 67.9026



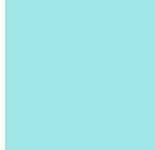
## Protanomaly

60.6681, 69.6679, 63.6758



## Deuteranomaly

62.8885, 68.7233, 68.9818



## Tritanomaly

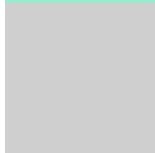
57.1003, 70.1905, 86.1399

# Monochromacy



## Original Color

53.5563, 70.4517, 67.9026



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.4469, 64.6467, 67.8955

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5563, 70.4517, 67.9026 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(152, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(152, 235, 204)  
}
```

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(152, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 235, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5563, 70.4517, 67.9026 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(152, 235, 204) }
```



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

```
.border{ border-color:rgb(152, 235, 204) }
```

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

Here you see how a box with a 4 pixel rgb(152, 235, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(152, 235,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5563, 70.4517, 67.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 235, 204) }
```

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

```
.background{ background-color: rgb(152,  
235, 204) }
```

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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