

# Converting Colors

XYZ(53.9935, 69.8880,  
103.5725)

Have a look what the booklet for  
XYZ(53.9935, 69.8880, 103.5725)  
contains.

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# Color

**XYZ(53.9935, 69.8880,  
103.5725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FEBFD
RGB	111, 235, 253
RGB Percent	44%, 92%, 99%
CMY	0.5647, 0.0784, 0.0078
CMYK	0.56, 0.07, 0.00, 0.01
HSL	188°, 97%, 71%
HSV	188°, 56%, 99%
XYZ	53.9935, 69.8880, 103.5725
YIQ	199.9760, -79.6820, -20.6900

# Conversions

## Conversions Part 2

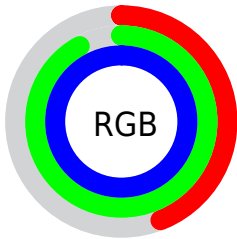
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 177, 253
Decimal	7334909
CIE Lab	86.94, -29.62, -19.21
CIE LCh	87, 35.300, 212.966
Yxy	69.8880, 0.2374, 0.3073
Android (android.graphics.Color)	4285524989 (0xFF6FEBFD)
YUV	199.9760, 26.1408, -78.0320
Hunter-Lab	83.5990, -31.0118, -14.9362

# Details

The XYZ color **53.9935, 69.8880, 103.5725** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2291, 37.7326, 19.6240**, and the grayscale version is **54.7664, 57.6185, 62.7466**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **26.7770, 36.5830, 57.8745** is the 20% darker color. If you saturate the color by 10%, you get **50.3401, 66.6554, 103.1424**, and if you desaturate by 10%, it is **58.5690, 73.6236, 104.0537**.

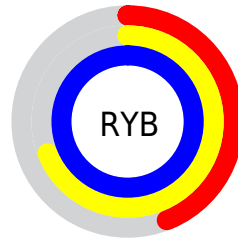
# Distribution



Red (44%)

Green (92%)

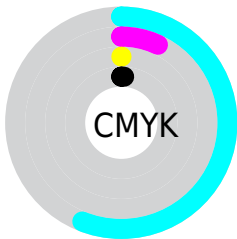
Blue (99%)



Red (44%)

Yellow (69%)

Blue (99%)

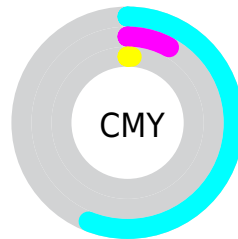


Cyan (56%)

Magenta (7%)

Yellow (0%)

Black (1%)



Cyan (56%)

Magenta (8%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9935, 69.8880, 103.5725 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 53.9935, 69.8880, 103.5725 by changing the saturation by 10% instead.



53.9935, 69.8880,  
103.5725

53.9935, 69.8880,  
103.5725

392.2840,  
460.1567, 592.9309

38.8271, 51.4352,  
78.6540

95.2217, 119.0490,  
168.1526

26.8054, 36.5551,  
58.0917

122.0141,  
150.5261, 208.6512

17.5629, 24.8632,  
41.4672

153.4127,  
187.1133, 255.1802

10.7344, 15.9752,  
28.3619

189.7827,  
229.1952, 308.1582

5.9545, 9.5066,  
18.3572

231.4894,  
277.1561, 368.0038

2.8578, 5.0731,  
11.0347

278.8983,

1.0790, 2.2902,

331.3803, 435.1354

5.9757

332.3747,  
392.2524, 509.9716

■ 0.0075, 0.7685,  
2.7618

■ 0.0000, 0.0000,  
0.9743

■ 53.9935, 69.8880,  
103.5725

■ 53.9935, 69.8880,  
103.5725

■ 50.3401, 66.6554,  
103.1424

■ 58.5690, 73.6236,  
104.0537

■ 47.5240, 63.8773,  
102.7546

■ 64.1295, 77.8902,  
104.5841

■ 45.4555, 61.5090,  
102.4065

■ 70.7396, 82.7227,  
105.1685

■ 44.0208, 59.4915,  
102.0927

■ 78.4566, 88.1507,  
105.8095

■ 43.5687, 58.7696,  
101.9772

■ 87.3337, 94.2019,  
106.5096

■ 94.4893, 99.3909,  
107.1340

■ 94.7299, 99.8719,  
107.2142

# Harmonies

## Analogous

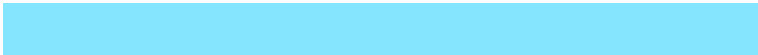
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8187, 69.8880, 78.4700



53.9935, 69.8880, 103.5725



59.4782, 69.8880, 124.1265

# Triad

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



53.9935, 69.8880, 103.5725



81.5722, 69.8880, 98.6543



65.6094, 69.8880, 39.1633

# Complementary

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



53.9935, 69.8880, 103.5725



51.2291, 37.7326, 19.6240

# 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.



73.8958, 69.8880, 42.3951



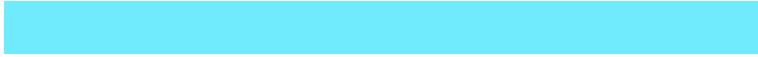
53.9935, 69.8880, 103.5725



83.5499, 69.8880, 73.7706

# Square

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



53.9935, 69.8880, 103.5725



75.4319, 69.8880, 120.8990



80.6350, 69.8880, 53.9674



58.1678, 69.8880, 44.0059

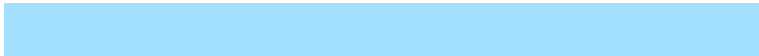


# Rectangle

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



53.9935, 69.8880, 103.5725



64.5040, 69.8880, 130.6378



80.6350, 69.8880, 53.9674



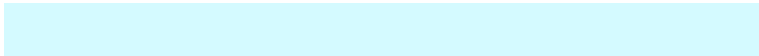
68.3867, 69.8880, 39.3439

# Sweetspot

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



53.9957, 69.8906, 103.5742



79.1327, 89.2293, 107.6600



45.5504, 75.1788, 32.3853



16.5842, 18.8527, 23.0148



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

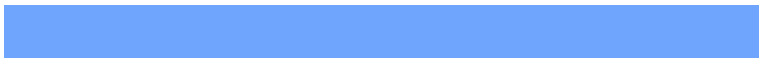
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.9957, 69.8906, 103.5742



50.9562, 67.5849, 104.9673



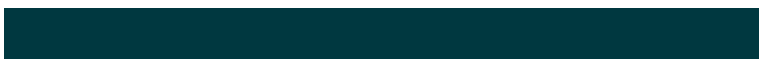
37.8206, 37.5406, 98.1825



18.3469, 20.0653, 23.1560



23.2519, 31.4133, 54.2725



2.3165, 3.1638, 5.3018



# Inverse Universe

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



61.1897, 38.2517, 82.7583



59.1792, 33.5269, 80.7014



63.7029, 62.6802, 23.7820



18.6877, 18.2584, 22.2387



28.5247, 13.8992, 37.7429

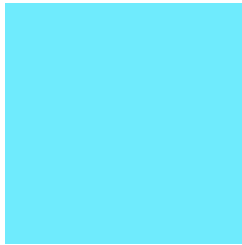


2.8039, 1.3639, 3.8146



# Previews

## White Background



This preview shows how the XYZ color 53.9935, 69.8880, 103.5725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

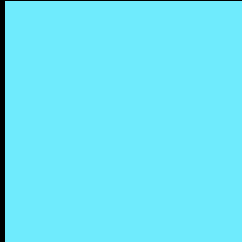
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9935, 69.8880, 103.5725 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 53.9935, 69.8880, 103.5725

## Background



This preview shows how black text looks on a background with the XYZ color 53.9935, 69.8880, 103.5725.



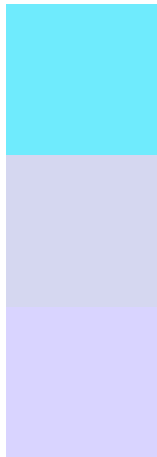
This preview shows how white text looks on a background with the XYZ color 53.9935, 69.8880,



# 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

53.9935, 69.8880, 103.5725

### Protanopia

67.4692, 69.0383, 92.2078

### Deuteranopia

70.2088, 69.0587, 104.2370



## Tritanopia

54.1533, 69.9519, 104.4138

# Trichromacy



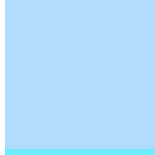
## Original Color

53.9935, 69.8880, 103.5725



## Protanomaly

60.5072, 68.0652, 96.3350



## Deuteranomaly

61.8427, 67.8071, 103.5946



## Tritanomaly

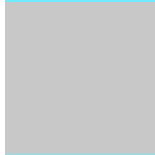
54.1533, 69.9519, 104.4138

# Monochromacy



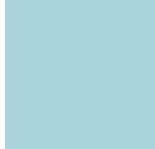
## Original Color

53.9935, 69.8880, 103.5725



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

52.7289, 61.0278, 76.0183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9935, 69.8880, 103.5725 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(111, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(111, 235, 253)  
}
```

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(111, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 235, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9935, 69.8880, 103.5725 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(111, 235, 253) }
```



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

```
.border{ border-color:rgb(111, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(111, 235,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9935, 69.8880, 103.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 235, 253) }
```

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

```
.background{ background-color: rgb(111,  
235, 253) }
```

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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