

# Converting Colors

XYZ(59.1242, 73.6843,  
105.7141)

Have a look what the booklet for  
XYZ(59.1242, 73.6843, 105.7141)  
contains.

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# Color

**XYZ(59.2720, 73.8580,  
105.7398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEEFF
RGB	139, 238, 255
RGB Percent	55%, 93%, 100%
CMY	0.4549, 0.0667, 0.0000
CMYK	0.45, 0.07, 0.00, 0.00
HSL	189°, 100%, 77%
HSV	189°, 45%, 100%
XYZ	59.2720, 73.8580, 105.7398
YIQ	210.3370, -64.4610, -15.7010

# Conversions

## Conversions Part 2

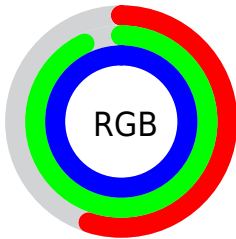
Format	Color
R <sub>Y</sub> B	139, 192, 255
Decimal	9170687
CIE Lab	88.86, -24.79, -17.27
CIE LCh	89, 30.211, 214.869
Yxy	73.8580, 0.2481, 0.3092
Android (android.graphics.Color)	4287360767 (0xFF8BEEFF)
YUV	210.3370, 22.0189, -62.5625
Hunter-Lab	85.9407, -27.2874, -12.7908

# Details

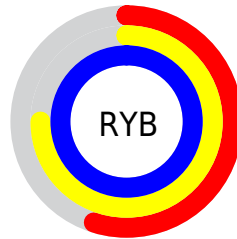
The XYZ color **59.2720, 73.8580, 105.7398** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.7893, 46.9017, 30.4353**, and the grayscale version is **61.3720, 64.5681, 70.3147**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **30.1454, 39.1954, 59.4027** is the 20% darker color. If you saturate the color by 10%, you get **54.4243, 69.7624, 105.2048**, and if you desaturate by 10%, it is **65.1392, 78.5161, 106.3297**.

# Distribution



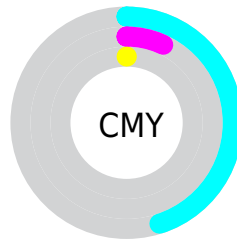
- Red (55%)
- Green (93%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2720, 73.8580, 105.7398 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 59.2720, 73.8580, 105.7398 by changing the saturation by 10% instead.



59.2720, 73.8580,  
105.7398

59.2720, 73.8580,  
105.7398

411.7870,  
473.9831, 599.8456

43.0793, 54.6778,  
80.4592

102.8853,  
124.6945, 171.1433

30.1422, 39.1438,  
59.5679

131.0365,  
157.1196, 212.1032

20.0951, 26.8716,  
42.6474

163.9048,  
194.7285, 259.1267

12.5729, 17.4768,  
29.2792

201.8552,  
237.9055, 312.6322

7.2101, 10.5751,  
19.0448

245.2534,  
287.0351, 373.0383

3.6413, 5.7819,  
11.5255

294.4645,

1.5013, 2.7129,

342.5016, 440.7635

6.3029

349.8539,  
404.6895, 516.2264

■ 0.3267, 0.9837,  
2.9583

■ 0.0000, 0.0000,  
1.0734

■ 59.2720, 73.8580,  
105.7398

■ 59.2720, 73.8580,  
105.7398

■ 54.4243, 69.7624,  
105.2048

■ 65.1392, 78.5161,  
106.3297

■ 50.5198, 66.1846,  
104.7200

■ 72.0833, 83.7614,  
106.9761

■ 47.4814, 63.0865,  
104.2821

■ 80.1645, 89.6268,  
107.6823

■ 45.2164, 60.4199,  
103.8868

■ 89.4368, 96.1404,  
108.4509

■ 43.6104, 58.1258,  
103.5286

95.0500, 100.0000,  
108.9000

■ 43.0271, 57.1742,  
103.3757

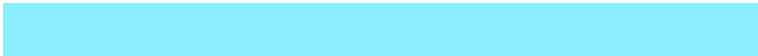
# Harmonies

## Analogous

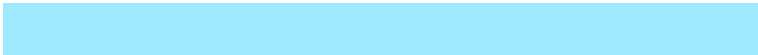
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.0870, 73.8580, 83.8898



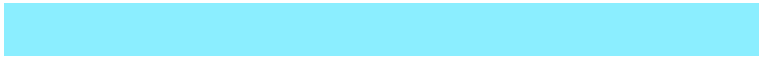
59.2720, 73.8580, 105.7398



64.3896, 73.8580, 122.7188

# Triad

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



59.2720, 73.8580, 105.7398



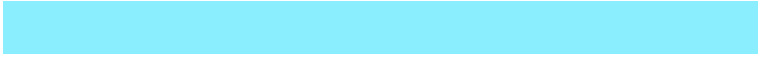
83.7312, 73.8580, 98.7840



69.0116, 73.8580, 46.5659

# Complementary

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



59.2720, 73.8580, 105.7398



57.7893, 46.9017, 30.4353

# 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.



76.3494, 73.8580, 49.1628



59.2720, 73.8580, 105.7398



85.1810, 73.8580, 77.0449

# Square

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



59.2720, 73.8580, 105.7398



78.5593, 73.8580, 118.2384



82.3944, 73.8580, 59.5018

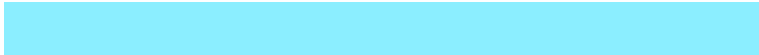


62.4555, 73.8580, 51.6693

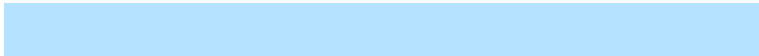


# Rectangle

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



59.2720, 73.8580, 105.7398



68.9485, 73.8580, 127.6270



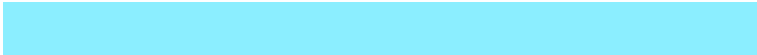
82.3944, 73.8580, 59.5018



71.4662, 73.8580, 46.5770

# Sweetspot

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



59.2740, 73.8607, 105.7402



81.4676, 90.5544, 107.7927



52.2804, 79.3583, 43.3403



17.0349, 19.0955, 23.0379



0.0000, 0.0000, 0.0000

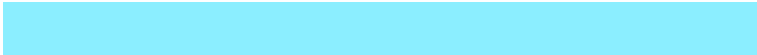


20.3446, 21.4041, 23.3091

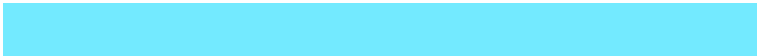


# Same Dimension

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



59.2740, 73.8607, 105.7402



54.6384, 69.9500, 105.2297



45.3316, 45.9759, 101.0927



18.3147, 20.0010, 23.1452



22.5691, 30.0477, 54.0449



2.2566, 3.0439, 5.2819



# Inverse Universe

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



65.9066, 45.9001, 86.2778



62.2583, 39.4309, 82.5107



69.5614, 70.4459, 34.3593



18.6715, 18.2519, 22.1532



28.1800, 13.7613, 35.9280

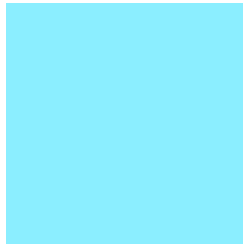


2.7736, 1.3518, 3.6553



# Previews

## White Background



This preview shows how the XYZ color 59.2720, 73.8580, 105.7398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

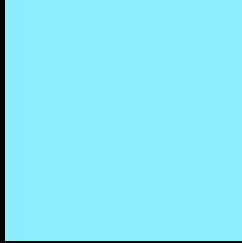
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2720, 73.8580, 105.7398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

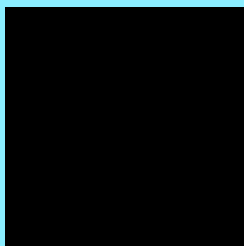
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.2720, 73.8580, 105.7398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2720, 73.8580, 105.7398.



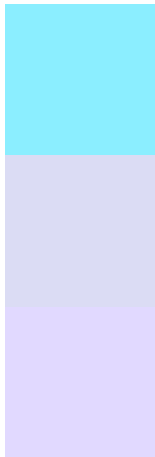
This preview shows how white text looks on a background with the XYZ color 59.2720, 73.8580,



# 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

59.2720, 73.8580, 105.7398

### Protanopia

71.1358, 72.7781, 95.8863

### Deuteranopia

73.9142, 72.8533, 104.7741



## Tritanopia

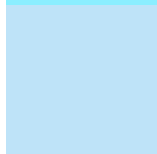
60.1882, 73.8994, 105.6995

# Trichromacy



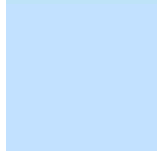
## Original Color

59.2720, 73.8580, 105.7398



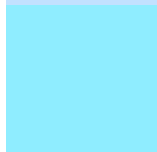
## Protanomaly

65.6476, 72.6626, 99.3722



## Deuteranomaly

67.2233, 72.5398, 105.0663



## Tritanomaly

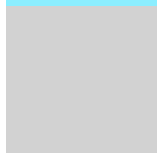
59.6619, 73.6280, 105.6749

# Monochromacy



## Original Color

59.2720, 73.8580, 105.7398



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.0878, 66.8677, 81.7440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2720, 73.8580, 105.7398 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(139, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 238, 255)  
}
```

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(139, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2720, 73.8580, 105.7398 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(139, 238, 255) }
```



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

```
.border{ border-color:rgb(139, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 238, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 238, 255); box-shadow:4px 4px 4px 4px rgb(139, 238, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2720, 73.8580, 105.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 238, 255) }
```

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

```
.background{ background-color: rgb(139,  
238, 255) }
```

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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