

# Converting Colors

XYZ(55.3445, 73.4039, 93.6838)

Have a look what the booklet for  
XYZ(55.3445, 73.4039, 93.6838)  
contains.

<b>XYZ(55.3519, 73.4128, 93.6908)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(55.3519, 73.4128,  
93.6908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BF1F0
RGB	123, 241, 240
RGB Percent	48%, 95%, 94%
CMY	0.5176, 0.0549, 0.0588
CMYK	0.49, 0.00, 0.00, 0.05
HSL	179°, 81%, 71%
HSV	179°, 49%, 95%
XYZ	55.3519, 73.4128, 93.6908
YIQ	205.6040, -70.0070, -25.3270

# Conversions

## Conversions Part 2

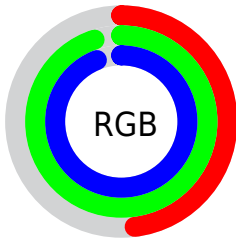
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 182, 241
Decimal	8122864
CIE Lab	88.64, -33.51, -9.81
CIE LCh	89, 34.915, 196.314
Yxy	73.4128, 0.2488, 0.3300
Android (android.graphics.Color)	4286312944 (0xFF7BF1F0)
YUV	205.6040, 16.9572, -72.4437
Hunter-Lab	85.6813, -34.6275, -4.8556

# Details

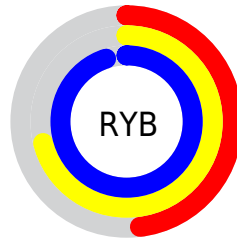
The XYZ color **55.3519, 73.4128, 93.6908** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.9992, 34.3243, 23.2196**, and the grayscale version is **58.3424, 61.3807, 66.8436**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **27.5371, 38.6412, 51.3545** is the 20% darker color. If you saturate the color by 10%, you get **52.2897, 71.8394, 93.3904**, and if you desaturate by 10%, it is **59.2670, 75.4293, 94.0345**.

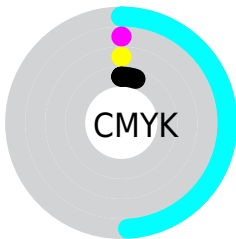
# Distribution



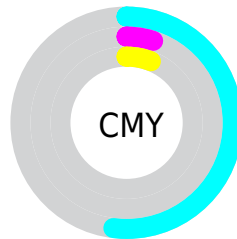
- Red (48%)
- Green (95%)
- Blue (94%)



- Red (48%)
- Yellow (71%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (52%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3519, 73.4128, 93.6908 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 55.3519, 73.4128, 93.6908 by changing the saturation by 10% instead.



55.3519, 73.4128,  
93.6908

55.3519, 73.4128,  
93.6908

397.3592,  
472.4443, 560.8421

39.9185, 54.3136,  
70.4550

97.2017, 124.0631,  
154.4346

27.6589, 38.8524,  
51.4184

124.3487,  
156.3829, 192.7797

18.2079, 26.6449,  
36.1627

156.1311,  
193.8783, 236.9982

11.1999, 17.3067,  
24.2692

192.9140,  
236.9339, 287.5088

6.2697, 10.4534,  
15.3194

235.0630,  
285.9338, 344.7299

3.0520, 5.7006,  
8.8947

282.9433,

1.1813, 2.6639,

341.2626, 409.0801

4.5767

336.9202,  
403.3046, 480.9780

■ 0.0915, 0.9589,  
1.9468

■ 0.0000, 0.0000,  
0.5222

■ 55.3519, 73.4128,  
93.6908

■ 55.3519, 73.4128,  
93.6908

■ 52.2897, 71.8394,  
93.3904

■ 59.2670, 75.4293,  
94.0345

■ 50.0105, 70.6680,  
93.1253


■ 64.0854, 77.9098,  
94.4190


■ 48.4442, 69.8640,  
92.8937


■ 69.8614, 80.8839,  
94.8485


■ 47.5051, 69.3833,  
92.6916


■ 76.6430, 84.3764,  
95.3253


 47.0645, 69.1597,  
92.5130


 84.4750, 88.4104,  
95.8514

 47.0301, 69.1423,  
92.4950

 88.6080, 90.5375,  
96.2045

 88.6386, 90.5498,  
96.3659

 88.6693, 90.5620,  
96.5274

 88.7000, 90.5743,  
96.6892

# Harmonies

## Analogous

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



55.1873, 73.4128, 69.4489



55.3519, 73.4128, 93.6908



59.1722, 73.4128, 118.4073

# Triad

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



55.3519, 73.4128, 93.6908



82.1623, 73.4128, 116.4632



73.6813, 73.4128, 42.7916

# Complementary

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



55.3519, 73.4128, 93.6908



46.9992, 34.3243, 23.2196

# 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.



81.5780, 73.4128, 50.8531



55.3519, 73.4128, 93.6908



86.7342, 73.4128, 91.4248

# Square

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



55.3519, 73.4128, 93.6908



74.4279, 73.4128, 133.2566



86.5121, 73.4128, 67.5945



65.3234, 73.4128, 43.1557

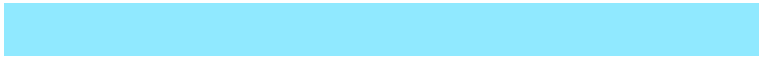


# Rectangle

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



55.3519, 73.4128, 93.6908



63.4674, 73.4128, 130.4075



86.5121, 73.4128, 67.5945



76.4908, 73.4128, 44.5232

# Sweetspot

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



55.3541, 73.4156, 93.6925



82.2987, 93.4325, 108.0304



43.4854, 68.7010, 29.7095



17.2778, 19.8246, 23.0990



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.



55.3541, 73.4156, 93.6925



59.3779, 81.6340, 106.1602



41.1816, 44.8316, 89.7050



16.2413, 17.9265, 20.2934



25.5052, 37.4941, 50.1708



2.1237, 3.1199, 4.1836



# Inverse Universe

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



46.9992, 34.3243, 23.2196



48.8384, 32.3087, 17.2509



56.1815, 52.7896, 25.9692



15.7783, 15.7610, 16.3887



19.6800, 10.1444, 0.9656

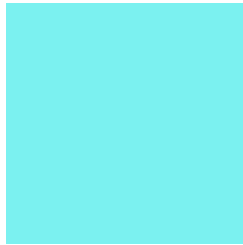


1.6391, 0.8447, 0.0903



# Previews

## White Background



This preview shows how the XYZ color 55.3519, 73.4128, 93.6908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

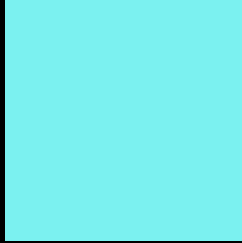
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3519, 73.4128, 93.6908 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 55.3519, 73.4128, 93.6908

## Background



This preview shows how black text looks on a background with the XYZ color 55.3519, 73.4128, 93.6908.



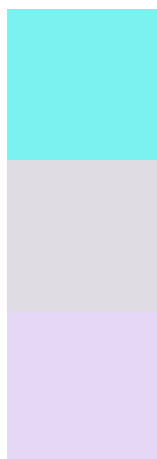
This preview shows how white text looks on a background with the XYZ color 55.3519, 73.4128,



# 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

55.3519, 73.4128, 93.6908

### Protanopia

69.8898, 72.4204, 82.9680

### Deuteranopia

73.8900, 72.2436, 97.2388



## **Tritanopia**

58.9816, 73.2773, 105.6430

# Trichromacy



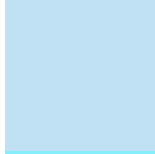
## Original Color

55.3519, 73.4128, 93.6908



## Protanomaly

62.8024, 71.8778, 86.9077



## Deuteranomaly

64.7230, 71.0494, 95.8906



## Tritanomaly

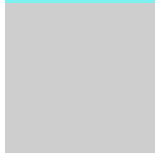
57.5027, 73.0377, 101.5095

# Monochromacy



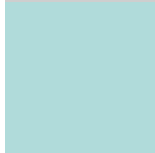
## Original Color

55.3519, 73.4128, 93.6908



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.8909, 64.9551, 75.9215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3519, 73.4128, 93.6908 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(123, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(123, 241, 240)  
}
```

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(123, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 241, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3519, 73.4128, 93.6908 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(123, 241, 240) }
```



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

```
.border{ border-color:rgb(123, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(123, 241,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3519, 73.4128, 93.6908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 241, 240) }
```

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

```
.background{ background-color: rgb(123,  
241, 240) }
```

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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