

# Converting Colors

XYZ(59.2656, 75.7449, 95.1472)

Have a look what the booklet for  
XYZ(59.2656, 75.7449, 95.1472)  
contains.

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# Color

**XYZ(59.4562, 75.9348,  
95.5276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91F2F2
RGB	145, 242, 242
RGB Percent	57%, 95%, 95%
CMY	0.4314, 0.0510, 0.0510
CMYK	0.40, 0.00, 0.00, 0.05
HSL	180°, 79%, 76%
HSV	180°, 40%, 95%
XYZ	59.4562, 75.9348, 95.5276
YIQ	212.9970, -57.8120, -20.5640

# Conversions

## Conversions Part 2

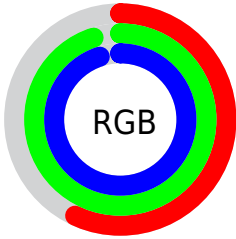
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 194, 242
Decimal	9564914
CIE <sub>Lab</sub>	89.83, -28.54, -9.00
CIE <sub>LCh</sub>	90, 29.927, 197.501
Yxy	75.9348, 0.2575, 0.3288
Android (android.graphics.Color)	4287754994 (0xFF91F2F2)
YUV	212.9970, 14.2985, -59.6334
Hunter-Lab	87.1406, -30.7051, -3.9981

# Details

The XYZ color **59.4562, 75.9348, 95.5276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8568, 41.1747, 32.0052**, and the grayscale version is **63.1809, 66.4712, 72.3871**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **30.3523, 40.6892, 52.7084** is the 20% darker color. If you saturate the color by 10%, you get **55.6382, 73.9684, 95.3501**, and if you desaturate by 10%, it is **64.1869, 78.3754, 95.7511**.

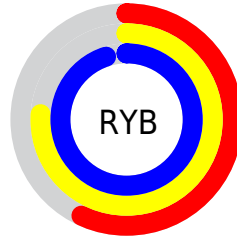
# Distribution



Red (57%)

Green (95%)

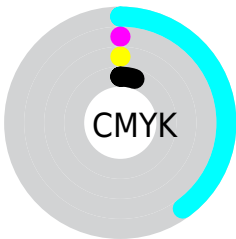
Blue (95%)



Red (57%)

Yellow (76%)

Blue (95%)

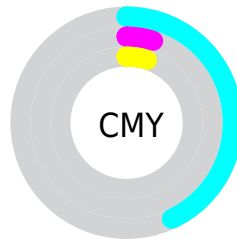


Cyan (40%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (43%)

Magenta (5%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4562, 75.9348, 95.5276 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 59.4562, 75.9348, 95.5276 by changing the saturation by 10% instead.





 59.4562, 75.9348,  
95.5276


 59.4562, 75.9348,  
95.5276

412.4574,  
481.1245, 566.8801

 43.2282, 56.3790,  
71.9749


 103.1513,  
127.6347, 156.9951

 30.2595, 40.5069,  
52.6514


 131.3491,  
160.5477, 195.7470

 20.1847, 27.9340,  
37.1388


164.2675,  
198.6819, 240.4024

 12.6384, 18.2759,  
25.0183

202.2720,  
242.4216, 291.3798

 7.2553, 11.1483,  
15.8716

245.7279,  
292.1514, 349.0977

 3.6700, 6.1666,  
9.2799

295.0005,

 1.5172, 2.9467,

348.2555, 413.9747

4.8249

350.4552,  
411.1184, 486.4293

■ 0.3375, 1.1040,  
2.0880

■ 0.0000, 0.0000,  
0.6086

■ 59.4562, 75.9348,  
95.5276

■ 59.4562, 75.9348,  
95.5276

■ 55.6382, 73.9684,  
95.3501

■ 64.1869, 78.3754,  
95.7511

■ 52.6681, 72.4372,  
95.2106

■ 69.8766, 81.3085,  
96.0179

■ 50.4830, 71.3108,  
95.1078

■ 76.5765, 84.7624,  
96.3320

■ 49.0088, 70.5508,  
95.0384

■ 84.3324, 88.7607,  
96.6954

■ 48.1569, 70.1117,  
94.9980

■ 89.0211, 91.1778,  
96.9153

■ 47.7801, 69.9174,  
94.9799

■ 89.0212, 91.1779,  
96.9158

■ 89.0213, 91.1779,  
96.9163

■ 89.0214, 91.1779,  
96.9168

■ 89.0215, 91.1780,  
96.9173

# Harmonies

## Analogous

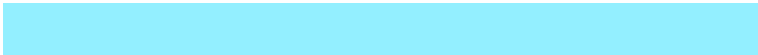
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.1747, 75.9348, 74.1845



59.4562, 75.9348, 95.5276



62.9962, 75.9348, 116.4481

# Triad

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



59.4562, 75.9348, 95.5276



83.1618, 75.9348, 113.3218



75.2919, 75.9348, 48.9825

# Complementary

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



59.4562, 75.9348, 95.5276



51.8568, 41.1747, 32.0052

# 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.



82.2020, 75.9348, 56.1664



59.4562, 75.9348, 95.5276



86.9494, 75.9348, 91.8008

# Square

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



59.4562, 75.9348, 95.5276



76.5304, 75.9348, 127.8647



86.5866, 75.9348, 71.0394



67.9857, 75.9348, 49.6336

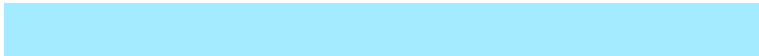


# Rectangle

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



59.4562, 75.9348, 95.5276



66.8733, 75.9348, 126.2490



86.5866, 75.9348, 71.0394



77.7471, 75.9348, 50.5020

# Sweetspot

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



59.4584, 75.9378, 95.5294



84.6745, 94.6512, 108.4138



48.8293, 71.7193, 38.0594



17.9045, 20.1462, 23.1947



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.



59.4584, 75.9378, 95.5294



63.4193, 83.6938, 107.4170



47.2477, 51.5156, 91.4610



16.2474, 17.9290, 20.3258



25.6669, 37.5588, 51.0220



2.1352, 3.1245, 4.2446



# Inverse Universe

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



51.8568, 41.1747, 32.0052



53.7791, 39.6082, 26.8575



60.5555, 58.5724, 34.9038



15.7729, 15.7589, 16.3602



19.6715, 10.1410, 0.9207

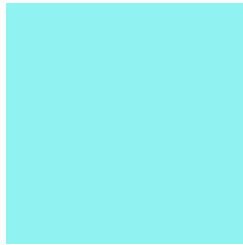


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 59.4562, 75.9348, 95.5276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

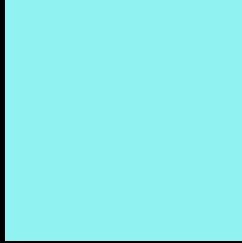
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4562, 75.9348, 95.5276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

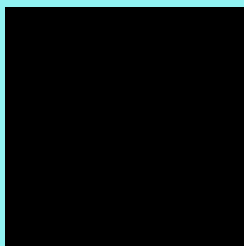
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

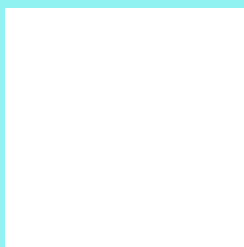
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.4562, 75.9348, 95.5276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4562, 75.9348, 95.5276.



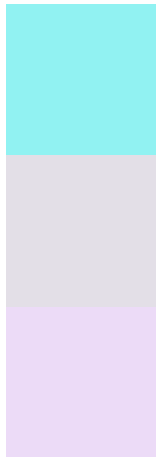
This preview shows how white text looks on a background with the XYZ color 59.4562, 75.9348,

95.5276.

# 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

59.4562, 75.9348, 95.5276

### Protanopia

72.4900, 74.8758, 86.2331

### Deuteranopia

76.7121, 75.2113, 98.4698



## Tritanopia

63.3225, 75.9461, 105.9294

# Trichromacy



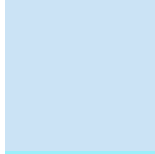
## Original Color

59.4562, 75.9348, 95.5276



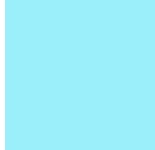
## Protanomaly

66.3182, 74.4621, 89.4745



## Deuteranomaly

68.5791, 74.2273, 97.0990



## Tritanomaly

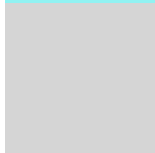
61.6394, 75.6037, 101.7867

# Monochromacy



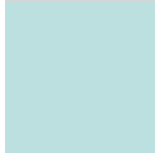
## Original Color

59.4562, 75.9348, 95.5276



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.8492, 69.3845, 80.7065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4562, 75.9348, 95.5276 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(145, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 242)  
}
```

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(145, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4562, 75.9348, 95.5276 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(145, 242, 242) }
```



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

```
.border{ border-color:rgb(145, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(145, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(145, 242,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4562, 75.9348, 95.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 242) }
```

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

```
.background{ background-color: rgb(145,  
242, 242) }
```

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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