

# Converting Colors

XYZ(55.6751, 59.5178,  
103.1409)

Have a look what the booklet for  
XYZ(55.6751, 59.5178, 103.1409)  
contains.

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# Color

**XYZ(55.6384, 59.3619,  
103.1333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5CEFF
RGB	165, 206, 255
RGB Percent	65%, 81%, 100%
CMY	0.3529, 0.1921, 0.0000
CMYK	0.35, 0.19, 0.00, 0.00
HSL	213°, 100%, 82%
HSV	213°, 35%, 100%
XYZ	55.6384, 59.3619, 103.1333
YIQ	199.3270, -40.1650, 6.5470

# Conversions

## Conversions Part 2

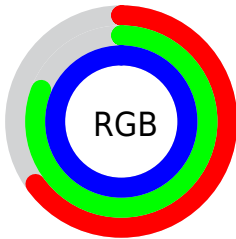
Format	Color
R <sub>Y</sub> B	165, 193, 255
Decimal	10866431
CIE Lab	81.49, -1.95, -28.33
CIE LCh	81, 28.397, 266.055
Yxy	59.3619, 0.2551, 0.2721
Android (android.graphics.Color)	4289056511 (0xFFA5CEFF)
YUV	199.3270, 27.4468, -30.1048
Hunter-Lab	77.0467, -5.9299, -25.4319

# Details

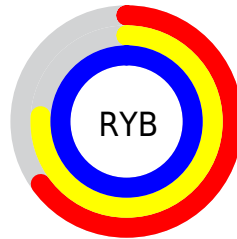
The XYZ color **55.6384, 59.3619, 103.1333** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.0787, 72.0703, 45.7114**, and the grayscale version is **54.3426, 57.1726, 62.2610**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **27.8517, 29.8487, 57.7195** is the 20% darker color. If you saturate the color by 10%, you get **47.6580, 50.5047, 101.8443**, and if you desaturate by 10%, it is **64.9748, 69.3591, 104.5708**.

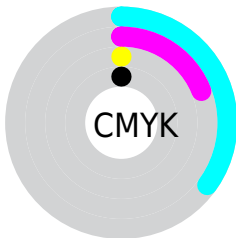
# Distribution



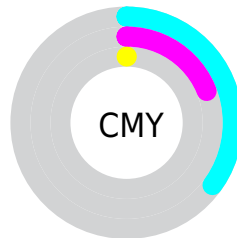
- Red (65%)
- Green (81%)
- Blue (100%)



- Red (65%)
- Yellow (76%)
- Blue (100%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6384, 59.3619, 103.1333 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 55.6384, 59.3619, 103.1333 by changing the saturation by 10% instead.



■ 55.6384, 59.3619,  
103.1333

■ 55.6384, 59.3619,  
103.1333

398.4245,  
422.2417, 591.5245

■ 40.1489, 42.9045,  
78.2884

■ 97.6186, 103.9035,  
167.5457

■ 27.8394, 29.8102,  
57.7931

■ 124.8400,  
132.7564, 207.9504

■ 18.3445, 19.6946,  
41.2287

156.7028,  
166.5101, 254.3787

■ 11.2988, 12.1732,  
28.1768

193.5722,  
205.5487, 307.2493

■ 6.3369, 6.8618,  
18.2188

235.8138,  
250.2568, 366.9806

■ 3.0936, 3.3758,  
10.9361

283.7928,

■ 1.2035, 1.3309,

301.0188, 433.9912

5.9103

337.8746,  
358.2189, 508.6997

■ 0.1091, 0.1650,  
2.7227

■ 0.0000, 0.0000,  
0.9548

■ 55.6384, 59.3619,  
103.1333

■ 55.6384, 59.3619,  
103.1333

■ 47.6580, 50.5047,  
101.8443

■ 64.9748, 69.3591,  
104.5708

■ 40.9577, 42.7331,  
100.6974

■ 75.7274, 80.5341,  
106.1611

■ 35.4614, 35.9974,  
99.6869

■ 87.9587, 92.9310,  
107.9093

■ 31.0819, 30.2404,  
98.8065

95.0500, 100.0000,  
108.9000

■ 27.7184, 25.3973,  
98.0490

■ 25.2482, 21.3912,  
97.4059

■ 24.3150, 19.7500,  
97.1383

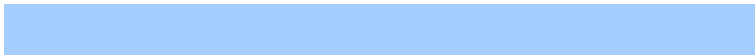
# Harmonies

## Analogous

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



50.2726, 59.3619, 95.7971



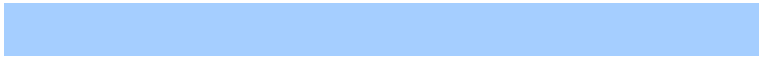
55.6384, 59.3619, 103.1333



61.5964, 59.3619, 98.7568

# Triad

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



55.6384, 59.3619, 103.1333



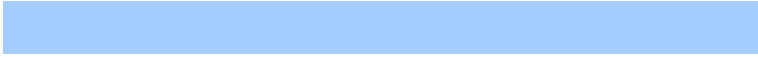
67.3340, 59.3619, 51.2877



47.4548, 59.3619, 48.0141

# Complementary

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



55.6384, 59.3619, 103.1333



72.0787, 72.0703, 45.7114

# 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.



51.5453, 59.3619, 39.4463



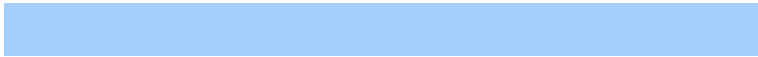
55.6384, 59.3619, 103.1333



63.0529, 59.3619, 41.0902

# Square

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



55.6384, 59.3619, 103.1333



68.6195, 59.3619, 66.9151



57.2123, 59.3619, 37.1528



45.7625, 59.3619, 62.4073



# Rectangle

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



55.6384, 59.3619, 103.1333



65.0645, 59.3619, 90.1377



57.2123, 59.3619, 37.1528



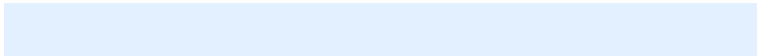
48.5803, 59.3619, 44.4628

# Sweetspot

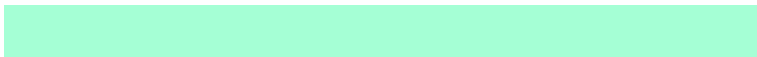
The Sweet Spot groups the original color and five complimentary colors.



55.6401, 59.3641, 103.1336



80.7931, 85.7033, 106.8919



63.2885, 84.3240, 75.8927



16.9442, 17.9893, 22.8292



0.0000, 0.0000, 0.0000

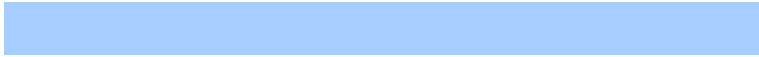


20.3446, 21.4041, 23.3091

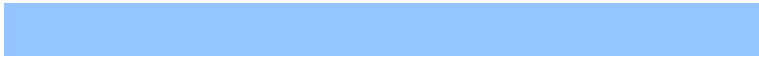


# Same Dimension

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



55.6401, 59.3641, 103.1336



50.1409, 53.2991, 102.2528



47.6553, 42.4571, 100.2911



17.6847, 18.7410, 22.9352



12.8500, 10.6097, 50.8052



1.3587, 1.2481, 4.9826



# Inverse Universe

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



65.8369, 52.6283, 65.0831



61.8569, 46.4255, 58.3389



82.6969, 94.9322, 49.5646



18.3535, 18.1247, 20.4786



23.2743, 11.7990, 10.0949

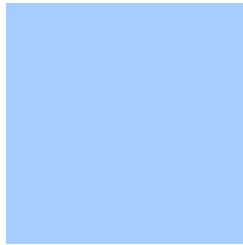


2.3204, 1.1705, 1.2688



# Previews

## White Background



This preview shows how the XYZ color 55.6384, 59.3619, 103.1333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

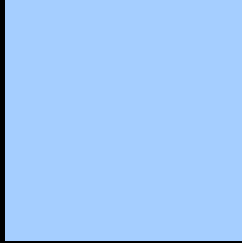
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6384, 59.3619, 103.1333 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

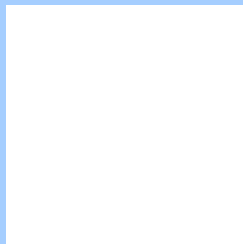
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.6384, 59.3619, 103.1333

## Background



This preview shows how black text looks on a background with the XYZ color 55.6384, 59.3619, 103.1333.



This preview shows how white text looks on a background with the XYZ color 55.6384, 59.3619,



# 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

55.6384, 59.3619, 103.1333

### Protanopia

59.3021, 59.2207, 99.5720

### Deuteranopia

60.2364, 58.9456, 102.8106



## Tritanopia

51.3984, 59.4591, 82.1666

# Trichromacy



## Original Color

55.6384, 59.3619, 103.1333

## Protanomaly

57.7473, 59.0931, 100.4580

## Deuteranomaly

58.4651, 59.0606, 102.9261

## Tritanomaly

52.9310, 59.3510, 89.5551

# Monochromacy



## Original Color

55.6384, 59.3619, 103.1333

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.4002, 57.9203, 75.3304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6384, 59.3619, 103.1333 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(165, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 206, 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(165, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6384, 59.3619, 103.1333 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(165, 206, 255) }
```



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

```
.border{ border-color:rgb(165, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6384, 59.3619, 103.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 255) }
```

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

```
.background{ background-color: rgb(165,  
206, 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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