

# Converting Colors

XYZ(59.5289, 65.7642,  
102.7816)

Have a look what the booklet for  
XYZ(59.5289, 65.7642, 102.7816)  
contains.

<b>XYZ(59.5956, 65.8926, 102.5060)</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(59.5956, 65.8926,  
102.5060)**

# Conversions

Conversions Part 1	
Format	Color
Hex	ABDAFD
RGB	171, 218, 253
RGB Percent	67%, 85%, 99%
CMY	0.3294, 0.1451, 0.0078
CMYK	0.32, 0.14, 0.00, 0.01
HSL	206°, 95%, 83%
HSV	206°, 32%, 99%
XYZ	59.5956, 65.8926, 102.5060
YIQ	207.9370, -39.2470, 0.9210

# Conversions

## Conversions Part 2

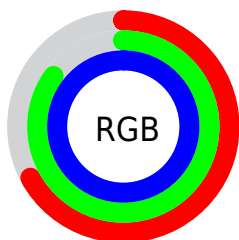
Format	Color
<a href="#">RYB</a>	<a href="#">171, 201, 253</a>
Decimal	<a href="#">11262717</a>
CIELab	<a href="#">84.94, -7.14, -21.98</a>
CIELCh	<a href="#">85, 23.110, 252.001</a>
Yxy	<a href="#">65.8926, 0.2614, 0.2890</a>
Android (android.graphics.Color)	<a href="#">4289452797</a> (0xFFABDAFD)
YUV	<a href="#">207.9370, 22.2161, -32.3937</a>
Hunter-Lab	<a href="#">81.1743, -11.0058, -18.0488</a>

# Details

The XYZ color **59.5956, 65.8926, 102.5060** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.9310, 67.9663, 47.9629**, and the grayscale version is **59.7939, 62.9079, 68.5067**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **30.2635, 33.8929, 57.1715** is the 20% darker color. If you saturate the color by 10%, you get **51.8940, 57.9012, 101.3706**, and if you desaturate by 10%, it is **68.5385, 74.7978, 103.7547**.

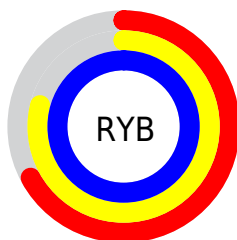
# Distribution



Red (67%)

Green (85%)

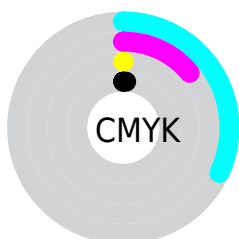
Blue (99%)



Red (67%)

Yellow (79%)

Blue (99%)

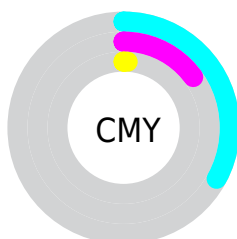


Cyan (32%)

Magenta (14%)

Yellow (0%)

Black (1%)



Cyan (33%)

Magenta (15%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5956, 65.8926, 102.5060 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 59.5956, 65.8926, 102.5060 by changing the saturation by 10% instead.





 59.5956, 65.8926,  
102.5060

 59.5956, 65.8926,  
102.5060


412.9642,  
445.9927, 589.5128

 43.3410, 48.1852,  
77.7665


 103.3525,  
113.3322, 166.6786

 30.3484, 33.9736,  
57.3669

131.5855,  
143.8332, 206.9488

 20.2526, 22.8733,  
40.8886


164.5420,  
179.3675, 253.2330

 12.6881, 14.5000,  
27.9130

202.5873,  
220.3195, 305.9497

 7.2896, 8.4692,  
18.0216

246.0868,  
267.0736, 365.5175

 3.6918, 4.3966,  
10.7959


295.4059,


 1.5293, 1.8978,

320.0143, 432.3549

5.8173


350.9099,  
379.5258, 506.8805


 0.3456, 0.5471,  
2.6673


 0.0000, 0.0000,  
0.9269

 59.5956, 65.8926,  
102.5060


 59.5956, 65.8926,  
102.5060


 51.8940, 57.9012,  
101.3706


 68.5385, 74.7978,  
103.7547

 45.3636, 50.7779,  
100.3398

 78.7755, 84.6443,  
105.1157

 39.9366, 44.4838,  
99.4110

 90.3634, 95.4680,  
106.5941

 35.5346, 38.9731,  
98.5793

94.7298, 99.8719,  
107.2140

■ 32.0680, 34.1941,  
97.8396

■ 29.4287, 30.0852,  
97.1856

■ 27.8581, 27.3484,  
96.7401

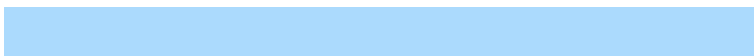
# Harmonies

## Analogous

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



55.5016, 65.8926, 92.6208



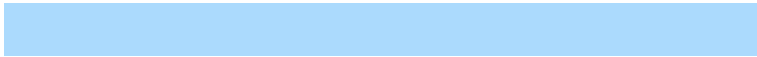
59.5956, 65.8926, 102.5060



64.7271, 65.8926, 103.4909

# Triad

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



59.5956, 65.8926, 102.5060



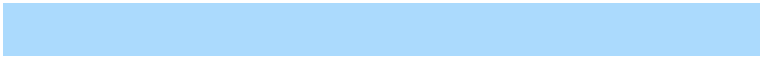
72.9065, 65.8926, 65.9653



56.1855, 65.8926, 52.5332

# Complementary

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



59.5956, 65.8926, 102.5060



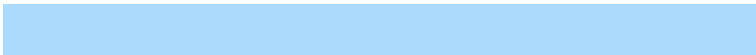
69.9310, 67.9663, 47.9629

# 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.



60.5766, 65.8926, 47.2632



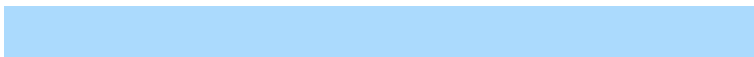
59.5956, 65.8926, 102.5060



70.3418, 65.8926, 54.2697

# Square

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



59.5956, 65.8926, 102.5060



72.6079, 65.8926, 80.9446



65.7635, 65.8926, 47.8516

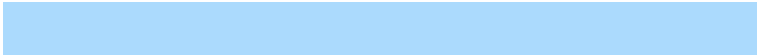


53.6089, 65.8926, 63.2718



# Rectangle

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



59.5956, 65.8926, 102.5060



68.0679, 65.8926, 98.8157



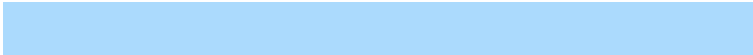
65.7635, 65.8926, 47.8516



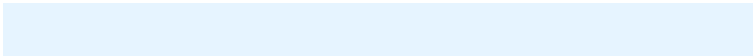
57.4877, 65.8926, 50.1349

# Sweetspot

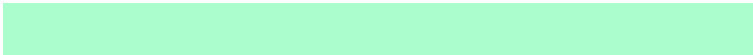
The Sweet Spot groups the original color and five complimentary colors.



59.5977, 65.8952, 102.5075



82.9086, 88.7318, 107.3649



62.9610, 83.3257, 70.6299



17.4047, 18.6707, 22.9364



0.0000, 0.0000, 0.0000

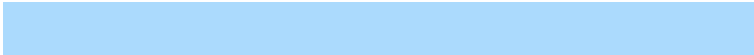


20.3446, 21.4041, 23.3091

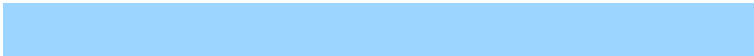


# Same Dimension

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



59.5977, 65.8952, 102.5075



55.3556, 61.6076, 103.5816



50.4131, 47.5261, 99.4460



17.8675, 19.1067, 22.9962



14.9669, 14.8433, 51.5108



1.5657, 1.6621, 5.0516



# Inverse Universe

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



67.7275, 55.0722, 73.3929



65.0068, 49.6677, 68.8150



80.8665, 89.8372, 51.6081



18.4458, 18.1616, 20.9646



24.3428, 12.2264, 15.7214

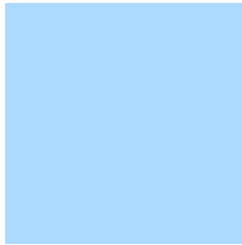


2.4249, 1.2123, 1.8189



# Previews

## White Background



This preview shows how the XYZ color 59.5956, 65.8926, 102.5060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

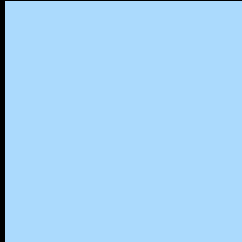
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5956, 65.8926, 102.5060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

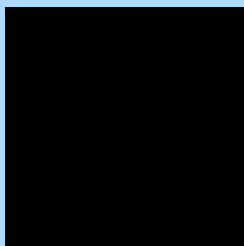
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

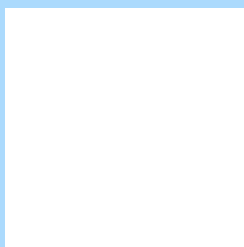
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.5956, 65.8926, 102.5060

## Background



This preview shows how black text looks on a background with the XYZ color 59.5956, 65.8926, 102.5060.



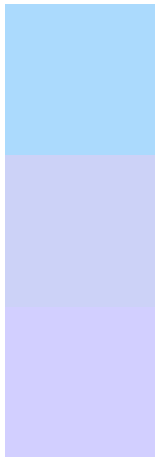
This preview shows how white text looks on a background with the XYZ color 59.5956, 65.8926,



# 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

59.5956, 65.8926, 102.5060

### Protanopia

64.7369, 65.6460, 97.2546

### Deuteranopia

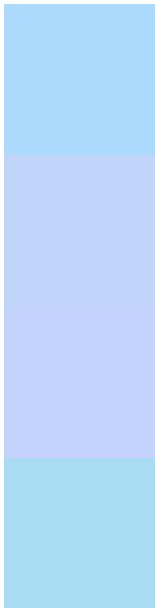
66.9412, 65.5473, 103.7315



## **Tritanopia**

57.4375, 66.2108, 90.6416

# Trichromacy



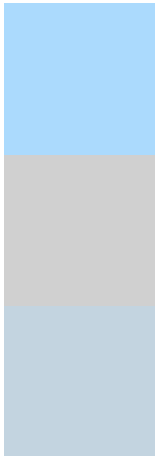
**Original Color**  
59.5956, 65.8926, 102.5060

**Protanomaly**  
62.6314, 65.6345, 98.9902

**Deuteranomaly**  
63.9486, 65.4801, 103.0344

**Tritanomaly**  
58.1330, 66.0925, 94.4872

# Monochromacy



**Original Color**  
59.5956, 65.8926, 102.5060

**Achromatopsia**  
59.9535, 63.0757, 68.6895

**Achromatomaly**  
59.5037, 64.0709, 79.7517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5956, 65.8926, 102.5060 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(171, 218, 253)` looks like.

```
.text, #text, p{  
    color:rgb(171, 218, 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(171, 218, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 218, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5956, 65.8926, 102.5060 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(171, 218, 253) }
```



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

```
.border{ border-color:rgb(171, 218, 253) }
```

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

Here you see how a box with a 4 pixel rgb(171, 218, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 218, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 218, 253);  
box-shadow:4px 4px 4px 4px rgb(171, 218,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5956, 65.8926, 102.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 218, 253) }
```

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

```
.background{ background-color: rgb(171,  
218, 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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor