

# Converting Colors

XYZ(59.1243, 62.6986, 99.4283)

Have a look what the booklet for  
XYZ(59.1243, 62.6986, 99.4283)  
contains.

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# Color

**XYZ(59.1243, 62.6986,  
99.4283)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D2FA
RGB	180, 210, 250
RGB Percent	71%, 82%, 98%
CMY	0.2941, 0.1765, 0.0196
CMYK	0.28, 0.16, 0.00, 0.02
HSL	214°, 88%, 84%
HSV	214°, 28%, 98%
XYZ	59.1243, 62.6986, 99.4283
YIQ	205.5900, -30.7200, 6.0800

# Conversions

## Conversions Part 2

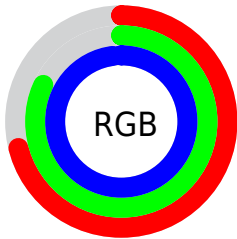
Format	Color
R <sub>Y</sub> B	180, 201, 250
Decimal	11850490
CIE Lab	83.28, -1.13, -22.86
CIE LCh	83, 22.884, 267.182
Yxy	62.6986, 0.2672, 0.2834
Android (android.graphics.Color)	4290040570 (0xFFB4D2FA)
YUV	205.5900, 21.8941, -22.4424
Hunter-Lab	79.1824, -5.2861, -19.0219

# Details

The XYZ color **59.1243, 62.6986, 99.4283** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.2567, 74.8063, 53.7598**, and the grayscale version is **58.2845, 61.3198, 66.7773**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.1183, 32.0628, 55.0534** is the 20% darker color. If you saturate the color by 10%, you get **50.4503, 53.2242, 98.0578**, and if you desaturate by 10%, it is **69.1668, 73.3488, 100.9558**.

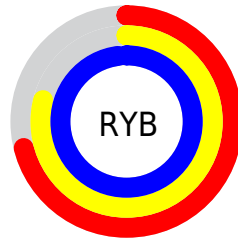
# Distribution



Red (71%)

Green (82%)

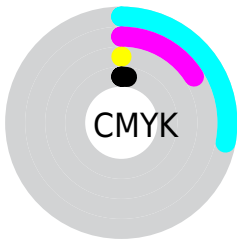
Blue (98%)



Red (71%)

Yellow (79%)

Blue (98%)

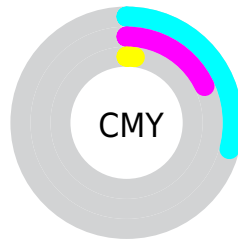


Cyan (28%)

Magenta (16%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (18%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1243, 62.6986, 99.4283 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 59.1243, 62.6986, 99.4283 by changing the saturation by 10% instead.



■ 59.1243, 62.6986,  
99.4283

■ 59.1243, 62.6986,  
99.4283

411.2490,  
434.4748, 579.5892

■ 42.9599, 45.5974,  
75.2090

■ 102.6719,  
108.7346, 162.4163

■ 30.0481, 31.9283,  
55.2813

130.7858,  
138.4381, 202.0221

■ 20.0233, 21.3067,  
39.2269

163.6137,  
173.1113, 247.5937

■ 12.5204, 13.3484,  
26.6271

201.5208,  
213.1385, 299.5498

■ 7.1738, 7.6689,  
17.0634

244.8726,  
258.9040, 358.3089

■ 3.6183, 3.8838,  
10.1173

294.0343,

■ 1.4886, 1.6088,

310.7923, 424.2894

5.3702

349.3713,  
369.1878, 497.9100

■ 0.3180, 0.3635,  
2.4035

■ 0.0000, 0.0000,  
0.7884

■ 59.1243, 62.6986,  
99.4283

■ 59.1243, 62.6986,  
99.4283

■ 50.4503, 53.2242,  
98.0578

■ 69.1668, 73.3488,  
100.9558

■ 43.0741, 44.8727,  
96.8346

■ 80.6318, 85.2099,  
102.6409

■ 36.9275, 37.5975,  
95.7543

■ 93.5765, 98.3242,  
104.4900

■ 31.9329, 31.3455,  
94.8108

■ 94.2555, 99.6822,  
104.7163

■ 28.0028, 26.0578,  
93.9973

■ 25.0354, 21.6671,  
93.3062

■ 22.8949, 18.0880,  
92.7281

■ 22.5288, 17.4487,  
92.6241

# Harmonies

## Analogous

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



54.5605, 62.6986, 93.9595



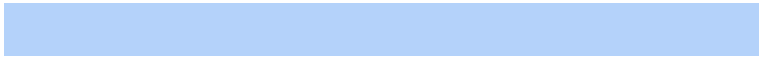
59.1243, 62.6986, 99.4283



64.0679, 62.6986, 95.6351

# Triad

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



59.1243, 62.6986, 99.4283



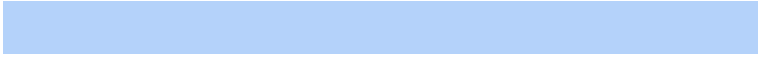
68.5084, 62.6986, 56.5091



51.9145, 62.6986, 54.4783

# Complementary

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



59.1243, 62.6986, 99.4283



73.2567, 74.8063, 53.7598

# 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.



55.3318, 62.6986, 46.6940



59.1243, 62.6986, 99.4283



64.9261, 62.6986, 47.7469

# Square

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



59.1243, 62.6986, 99.4283



69.6607, 62.6986, 69.6232



60.0644, 62.6986, 44.4107



50.5455, 62.6986, 66.9307



# Rectangle

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



59.1243, 62.6986, 99.4283



66.8842, 62.6986, 88.6194



60.0644, 62.6986, 44.4107



52.8522, 62.6986, 51.2986

# Sweetspot

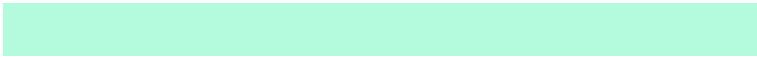
The Sweet Spot groups the original color and five complimentary colors.



59.1263, 62.7011, 99.4297



84.3325, 89.1210, 107.3650



65.8836, 83.2255, 80.0721



17.6431, 18.6579, 22.9214



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

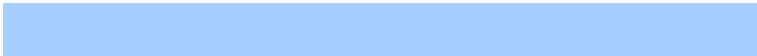


# Same Dimension

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



59.1263, 62.7011, 99.4297



56.2037, 59.4605, 103.1225



53.5055, 49.8193, 97.2396



16.8947, 17.8663, 21.9434



12.0860, 9.5275, 49.1755



1.2222, 1.0881, 4.5888



# Inverse Universe

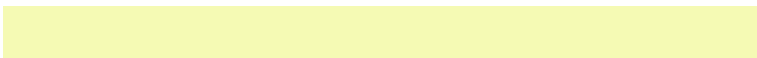
The Inverse Universe completely reimagines the original color for something new.



67.3801, 57.6214, 68.5462



66.3731, 53.8062, 64.9360



80.1976, 91.1402, 56.5467



17.5534, 17.3487, 19.5040



22.3925, 11.3727, 8.7751

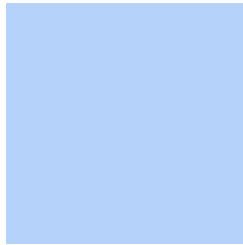


2.1258, 1.0741, 1.0861



# Previews

## White Background



This preview shows how the XYZ color 59.1243, 62.6986, 99.4283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

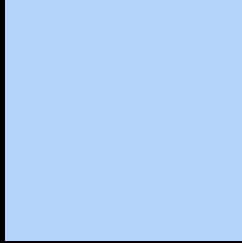
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1243, 62.6986, 99.4283 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

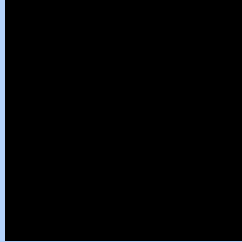
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.1243, 62.6986, 99.4283**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.1243, 62.6986, 99.4283.



This preview shows how white text looks on a background with the XYZ color 59.1243, 62.6986,



# 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

59.1243, 62.6986, 99.4283

### Protanopia

61.9085, 62.3838, 96.7740

### Deuteranopia

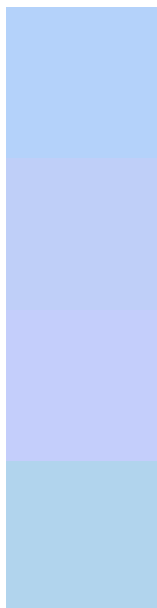
64.1035, 62.7193, 100.8229



## Tritanopia

55.9817, 62.5318, 83.9822

# Trichromacy



## Original Color

59.1243, 62.6986, 99.4283

## Protanomaly

60.7420, 62.4793, 97.6652

## Deuteranomaly

62.2488, 62.8434, 100.1159

## Tritanomaly

56.9610, 62.5485, 89.1917

# Monochromacy



## Original Color

59.1243, 62.6986, 99.4283

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.5236, 61.7699, 77.9455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1243, 62.6986, 99.4283 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(180, 210, 250)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 250)  
}
```

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(180, 210, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1243, 62.6986, 99.4283 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(180, 210, 250) }
```



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

```
.border{ border-color:rgb(180, 210, 250) }
```

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

Here you see how a box with a 4 pixel rgb(180, 210, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 250);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1243, 62.6986, 99.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 250) }
```

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

```
.background{ background-color: rgb(180,  
210, 250) }
```

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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