

# Converting Colors

XYZ(58.9960, 70.3497, 99.2788)

Have a look what the booklet for  
XYZ(58.9960, 70.3497, 99.2788)  
contains.

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# Color

**XYZ(59.1447, 70.5390,  
99.3051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE6F8
RGB	157, 230, 248
RGB Percent	62%, 90%, 97%
CMY	0.3843, 0.0980, 0.0274
CMYK	0.37, 0.07, 0.00, 0.03
HSL	192°, 87%, 79%
HSV	192°, 37%, 97%
XYZ	59.1447, 70.5390, 99.3051
YIQ	210.2250, -49.2860, -9.8780

# Conversions

## Conversions Part 2

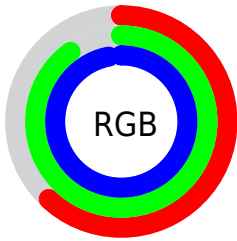
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	157, 198, 248
Decimal	10348280
CIE Lab	87.26, -18.22, -15.92
CIE LCh	87, 24.194, 221.147
Yxy	70.5390, 0.2583, 0.3080
Android (android.graphics.Color)	4288538360 (0xFF9DE6F8)
YUV	210.2250, 18.6231, -46.6783
Hunter-Lab	83.9875, -21.2769, -11.3120

# Details

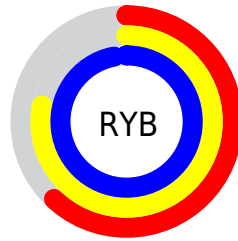
The XYZ color **59.1447, 70.5390, 99.3051** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.1284, 53.0517, 38.9710**, and the grayscale version is **61.3128, 64.5058, 70.2468**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **30.0173, 36.8446, 55.3988** is the 20% darker color. If you saturate the color by 10%, you get **53.4431, 65.6034, 98.6542**, and if you desaturate by 10%, it is **65.8710, 76.0632, 100.0181**.

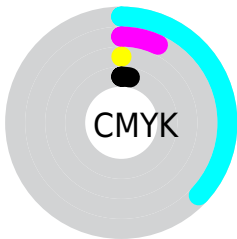
# Distribution



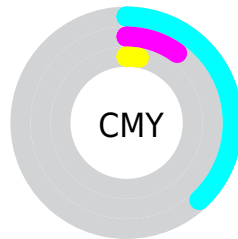
- Red (62%)
- Green (90%)
- Blue (97%)



- Red (62%)
- Yellow (78%)
- Blue (97%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (38%)
- Magenta (10%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1447, 70.5390, 99.3051 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 59.1447, 70.5390, 99.3051 by changing the saturation by 10% instead.



59.1447, 70.5390,  
99.3051

59.1447, 70.5390,  
99.3051

411.3234,  
462.4403, 579.1901

42.9764, 51.9661,  
75.1067

102.7014,  
119.9771, 162.2454

30.0611, 36.9780,  
55.1980

130.8205,  
151.6110, 201.8244

20.0332, 25.1905,  
39.1606

163.6539,  
188.3674, 247.3674

12.5276, 16.2190,  
26.5759

201.5670,  
230.6307, 299.2928

7.1788, 9.6793,  
17.0254

244.9252,  
278.7852, 358.0192

3.6215, 5.1868,  
10.0904

294.0937,

1.4903, 2.3573,

333.2154, 423.9652

5.3526

349.4380,  
394.3056, 497.5493

■ 0.3192, 0.8038,  
2.3932

■ 0.0000, 0.0000,  
0.7828

■ 59.1447, 70.5390,  
99.3051

■ 59.1447, 70.5390,  
99.3051

■ 53.4431, 65.6034,  
98.6542

■ 65.8710, 76.0632,  
100.0181

■ 48.6997, 61.2166,  
98.0574

■ 73.6706, 82.1966,  
100.7909

■ 44.8500, 57.3467,  
97.5134

■ 82.5967, 88.9686,  
101.6275

■ 41.8186, 53.9541,  
97.0183

■ 92.2524, 96.1751,  
102.5096

■ 39.5169, 50.9930,  
96.5681

■ 93.7934, 99.2572,  
103.0233

■ 37.8337, 48.4053,  
96.1573

■ 93.9435, 99.5574,  
103.0733

■ 37.3558, 47.6020,  
96.0274

# Harmonies

## Analogous

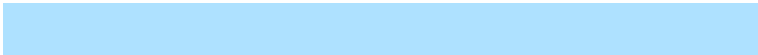
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.8802, 70.5390, 83.0189



59.1447, 70.5390, 99.3051



63.5740, 70.5390, 110.4109

# Triad

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



59.1447, 70.5390, 99.3051



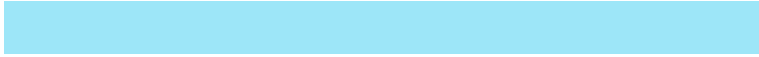
77.9332, 70.5390, 87.3738



64.9536, 70.5390, 49.9980

# Complementary

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



59.1447, 70.5390, 99.3051



60.1284, 53.0517, 38.9710

# 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.



70.6405, 70.5390, 50.8205



59.1447, 70.5390, 99.3051



78.3543, 70.5390, 70.9091

# Square

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



59.1447, 70.5390, 99.3051



74.4995, 70.5390, 102.8785



75.6197, 70.5390, 57.9894



60.1055, 70.5390, 55.5571



# Rectangle

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



59.1447, 70.5390, 99.3051



67.2643, 70.5390, 112.5564



75.6197, 70.5390, 57.9894



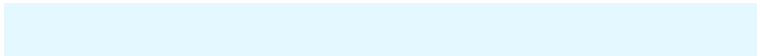
66.8266, 70.5390, 49.5603

# Sweetspot

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



59.1469, 70.5418, 99.3067



83.7284, 91.5741, 107.8703



55.0828, 77.3480, 51.9110



17.6450, 19.3910, 23.0628



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

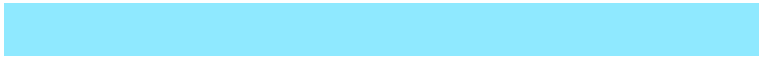


# Same Dimension

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



59.1469, 70.5418, 99.3067



58.4280, 71.2116, 105.2735



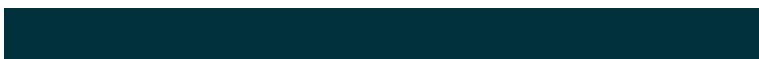
48.3699, 48.9879, 95.7144



17.4571, 18.9910, 22.1308



20.2804, 25.9165, 51.9070



1.9500, 2.5437, 4.8314



# Inverse Universe

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



65.0531, 49.7854, 81.0467



65.7132, 46.7172, 82.5017



70.1781, 73.1512, 42.3209



17.8372, 17.4623, 20.9987



26.5287, 13.0272, 30.5560

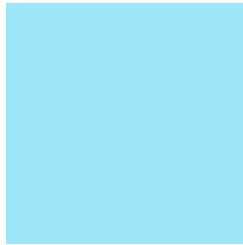


2.4932, 1.2210, 3.0206



# Previews

## White Background



This preview shows how the XYZ color 59.1447, 70.5390, 99.3051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

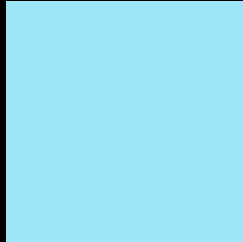
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1447, 70.5390, 99.3051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

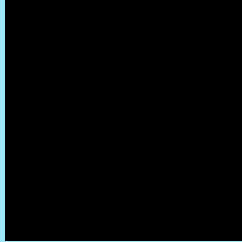
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.1447, 70.5390, 99.3051

## Background



This preview shows how black text looks on a background with the XYZ color 59.1447, 70.5390, 99.3051.



This preview shows how white text looks on a background with the XYZ color 59.1447, 70.5390,



# 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





## Tritanopia

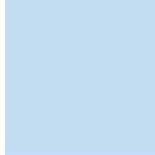
59.1447, 70.5390, 99.3051

# Trichromacy



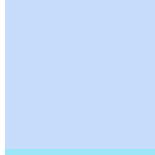
## Original Color

59.1447, 70.5390, 99.3051



## Protanomaly

64.1316, 69.5930, 94.0571



## Deuteranomaly

66.2973, 69.7702, 101.2395



## Tritanomaly

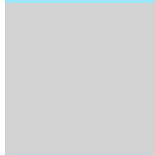
59.1447, 70.5390, 99.3051

# Monochromacy



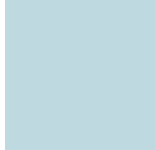
## Original Color

59.1447, 70.5390, 99.3051



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.7533, 66.0839, 80.1271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1447, 70.5390, 99.3051 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(157, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(157, 230, 248)  
}
```

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(157, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 230, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1447, 70.5390, 99.3051 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(157, 230, 248) }
```



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

```
.border{ border-color:rgb(157, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(157, 230,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1447, 70.5390, 99.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 230, 248) }
```

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

```
.background{ background-color: rgb(157,  
230, 248) }
```

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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