

# Converting Colors

XYZ(54.3467, 67.9621, 84.3784)

Have a look what the booklet for  
XYZ(54.3467, 67.9621, 84.3784)  
contains.

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# Color

**XYZ(54.3749, 67.9917,  
84.3866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94E5E5
RGB	148, 229, 229
RGB Percent	58%, 90%, 90%
CMY	0.4196, 0.1019, 0.1020
CMYK	0.35, 0.00, 0.00, 0.10
HSL	180°, 61%, 74%
HSV	180°, 35%, 90%
XYZ	54.3749, 67.9917, 84.3866
YIQ	204.7810, -48.2760, -17.1720

# Conversions

## Conversions Part 2

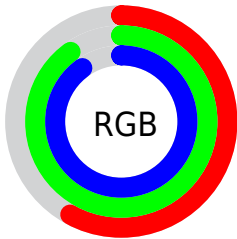
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 189, 229
Decimal	9758181
CIELab	86.00, -24.59, -7.84
CIELCh	86, 25.814, 197.692
Yxy	67.9917, 0.2630, 0.3289
Android (android.graphics.Color)	4287948261 (0xFF94E5E5)
YUV	204.7810, 11.9400, -49.7969
Hunter-Lab	82.4571, -26.5911, -2.9574

# Details

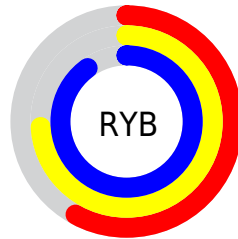
The XYZ color **54.3749, 67.9917, 84.3866** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2506, 39.9779, 33.1929**, and the grayscale version is **57.8394, 60.8515, 66.2673**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **26.9972, 35.2184, 45.4193** is the 20% darker color. If you saturate the color by 10%, you get **50.6359, 66.0659, 84.2126**, and if you desaturate by 10%, it is **58.9373, 70.3453, 84.6021**.

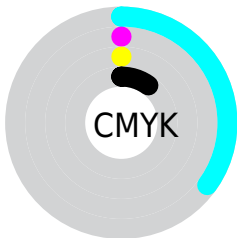
# Distribution



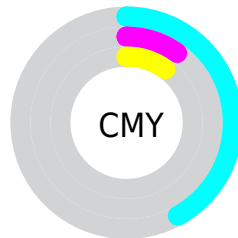
- Red (58%)
- Green (90%)
- Blue (90%)



- Red (58%)
- Yellow (74%)
- Blue (90%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (42%)
- Magenta (10%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3749, 67.9917, 84.3866 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 54.3749, 67.9917, 84.3866 by changing the saturation by 10% instead.





 54.3749, 67.9917,  
84.3866


 54.3749, 67.9917,  
84.3866


393.7131,  
453.4666, 529.6877

 39.1333, 49.8910,  
62.7874


 95.7782, 116.3403,  
141.3824

 27.0447, 35.3268,  
45.2294


 122.6705,  
147.3569, 177.6161

 17.7435, 23.9147,  
31.2939


154.1773,  
183.4476, 219.5651

 10.8646, 15.2704,  
20.5624

190.6637,  
224.9969, 267.6478

 6.0425, 9.0094,  
12.6164

232.4951,  
272.3890, 322.2829

 2.9118, 4.7473,  
7.0373

280.0369,

 1.1073, 2.0998,

326.0084, 383.8889

3.4066

333.6544,  
386.2395, 452.8843

■ 0.0312, 0.6645,  
1.3058

■ 0.0000, 0.0000,  
0.0666

■ 54.3749, 67.9917,  
84.3866

■ 54.3749, 67.9917,  
84.3866

■ 50.6359, 66.0659,  
84.2126

■ 58.9373, 70.3453,  
84.6021

■ 47.6658, 64.5347,  
84.0730


■ 64.3617, 73.1417,  
84.8565


■ 45.4129, 63.3733,  
83.9670


■ 70.6914, 76.4048,  
85.1533


■ 43.8166, 62.5504,  
83.8918


■ 77.9652, 80.1546,  
85.4942


 42.8064, 62.0296,  
83.8440


 83.4041, 82.9584,  
85.7493


 42.2957, 61.7664,  
83.8195

 83.4042, 82.9584,  
85.7499

 42.1629, 61.6979,  
83.8131

 83.4043, 82.9585,  
85.7504

 83.4044, 82.9585,  
85.7509

 83.4045, 82.9586,  
85.7515

# Harmonies

## Analogous

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



54.1287, 67.9917, 67.2972



54.3749, 67.9917, 84.3866



57.2609, 67.9917, 100.8514

# Triad

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



54.3749, 67.9917, 84.3866



73.4128, 67.9917, 98.2143



67.0811, 67.9917, 46.5305

# Complementary

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



54.3749, 67.9917, 84.3866



48.2506, 39.9779, 33.1929

# 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.



72.5929, 67.9917, 52.4453



54.3749, 67.9917, 84.3866



76.3954, 67.9917, 81.2005

# Square

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



54.3749, 67.9917, 84.3866



68.1453, 67.9917, 109.6347



76.0864, 67.9917, 64.5600



61.2263, 67.9917, 47.1144

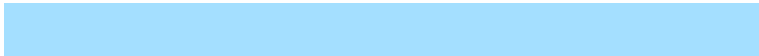


# Rectangle

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



54.3749, 67.9917, 84.3866



60.3988, 67.9917, 108.4718



76.0864, 67.9917, 64.5600



69.0419, 67.9917, 47.7820

# Sweetspot

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



54.3769, 67.9944, 84.3882



85.4726, 95.0627, 108.4510



45.8250, 64.6020, 38.0726



18.0636, 20.2282, 23.2021



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.



54.3769, 67.9944, 84.3882



66.0041, 85.0264, 107.5378



44.7386, 48.7172, 81.1772



14.8075, 16.3364, 18.5170



24.1057, 35.2744, 47.9183



1.7813, 2.6067, 3.5410



# Inverse Universe

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



48.2506, 39.9779, 33.1929



57.1519, 44.5435, 33.5624



55.4630, 54.4029, 35.5960



14.3771, 14.3680, 14.9201



18.4751, 9.5242, 0.8648

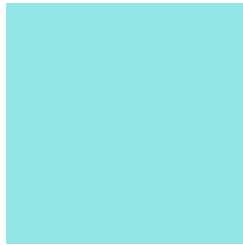


1.3652, 0.7038, 0.0639



# Previews

## White Background



This preview shows how the XYZ color 54.3749, 67.9917, 84.3866 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

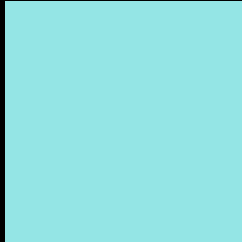
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.3749, 67.9917, 84.3866 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 54.3749, 67.9917, 84.3866**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3749, 67.9917, 84.3866.



This preview shows how white text looks on a background with the XYZ color 54.3749, 67.9917,



# 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

54.3749, 67.9917, 84.3866

### Protanopia

64.8993, 67.3019, 76.5878

### Deuteranopia

68.6279, 67.1637, 86.4376



## Tritanopia

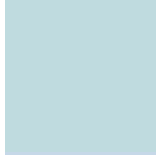
56.8994, 68.2061, 96.5524

# Trichromacy



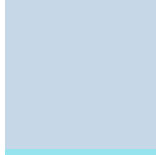
## Original Color

54.3749, 67.9917, 84.3866



## Protanomaly

60.1367, 67.0671, 79.5877



## Deuteranomaly

62.4101, 66.9437, 85.9760



## Tritanomaly

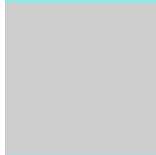
56.0859, 68.2981, 91.8882

# Monochromacy



## Original Color

54.3749, 67.9917, 84.3866



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

55.9513, 63.1385, 72.8563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3749, 67.9917, 84.3866 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(148, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(148, 229, 229)  
}
```

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(148, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 229, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3749, 67.9917, 84.3866 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(148, 229, 229) }
```



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

```
.border{ border-color:rgb(148, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(148, 229,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3749, 67.9917, 84.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 229, 229) }
```

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

```
.background{ background-color: rgb(148,  
229, 229) }
```

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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