

# Converting Colors

XYZ(54.8332, 68.6403, 84.4644)

Have a look what the booklet for  
XYZ(54.8332, 68.6403, 84.4644)  
contains.

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# Color

**XYZ(54.8341, 68.6403,  
84.4876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95E6E5
RGB	149, 230, 229
RGB Percent	58%, 90%, 90%
CMY	0.4157, 0.0980, 0.1020
CMYK	0.35, 0.00, 0.00, 0.10
HSL	179°, 62%, 74%
HSV	179°, 35%, 90%
XYZ	54.8341, 68.6403, 84.4876
YIQ	205.6670, -47.9550, -17.4830

# Conversions

## Conversions Part 2

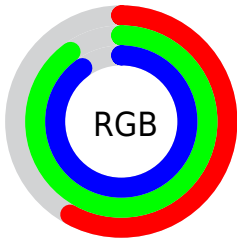
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 190, 230
Decimal	9823973
CIELab	86.33, -24.82, -7.36
CIELCh	86, 25.890, 196.517
Yxy	68.6403, 0.2637, 0.3301
Android (android.graphics.Color)	4288014053 (0xFF95E6E5)
YUV	205.6670, 11.5032, -49.6970
Hunter-Lab	82.8494, -26.8459, -2.4677

# Details

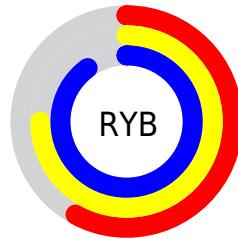
The XYZ color **54.8341, 68.6403, 84.4876** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8880, 40.5219, 34.1016**, and the grayscale version is **58.4058, 61.4475, 66.9163**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **27.2902, 35.6553, 45.4882** is the 20% darker color. If you saturate the color by 10%, you get **51.0060, 66.6731, 84.1026**, and if you desaturate by 10%, it is **59.4950, 71.0402, 84.9149**.

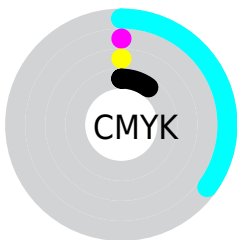
# Distribution



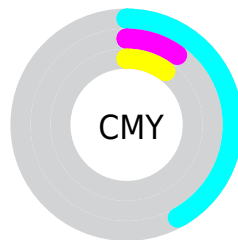
- Red (58%)
- Green (90%)
- Blue (90%)



- Red (58%)
- Yellow (75%)
- 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 54.8341, 68.6403, 84.4876 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 54.8341, 68.6403, 84.4876 by changing the saturation by 10% instead.





 54.8341, 68.6403,  
84.4876


 54.8341, 68.6403,  
84.4876


395.4294,  
455.7613, 530.0313

 39.5022, 50.4188,  
62.8704


 96.4476, 117.2677,  
141.5249

 27.3331, 35.7463,  
45.2960


 123.4599,  
148.4424, 177.7820

 17.9615, 24.2383,  
31.3460

155.0964,  
184.7036, 219.7561

 11.0218, 15.5105,  
20.6018


191.7225,  
226.4357, 267.8658

 6.1489, 9.1784,  
12.6448

233.7035,  
274.0231, 322.5297

 2.9774, 4.8578,  
7.0566

281.4047,

 1.1418, 2.1640,

327.8503, 384.1662

3.4185

335.1916,  
388.3015, 453.1939

■ 0.0597, 0.7003,  
1.3121

■ 0.0000, 0.0000,  
0.0717

■ 54.8341, 68.6403,  
84.4876

■ 54.8341, 68.6403,  
84.4876

■ 51.0060, 66.6731,  
84.1026

■ 59.4950, 71.0402,  
84.9149

■ 47.9555, 65.1051,  
83.7529

■ 65.0275, 73.8877,  
85.3818

■ 45.6305, 63.9111,  
83.4374

■ 71.4755, 77.2071,  
85.8919

■ 43.9700, 63.0596,  
83.1534

■ 78.8780, 81.0186,  
86.4470

■ 42.9028, 62.5140,  
82.8975

■ 83.8806, 83.5930,  
86.8902

■ 42.3417, 62.2293,  
82.6656

■ 83.9207, 83.6090,  
87.1014

■ 42.1848, 62.1506,  
82.5600

■ 83.9609, 83.6251,  
87.3130

■ 84.0012, 83.6412,  
87.5249

■ 84.0415, 83.6573,  
87.7372

# Harmonies

## Analogous

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



54.6940, 68.6403, 67.3255



54.8341, 68.6403, 84.4876



57.6497, 68.6403, 101.2435

# Triad

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



54.8341, 68.6403, 84.4876



73.9366, 68.6403, 99.7429



67.9561, 68.6403, 47.0903

# Complementary

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



54.8341, 68.6403, 84.4876



48.8880, 40.5219, 34.1016

# 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.



73.4701, 68.6403, 53.3157



54.8341, 68.6403, 84.4876



77.0625, 68.6403, 82.6747

# Square

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



54.8341, 68.6403, 84.4876



68.5616, 68.6403, 110.9292



76.8867, 68.6403, 65.7682



62.0285, 68.6403, 47.4224

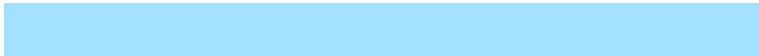


# Rectangle

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



54.8341, 68.6403, 84.4876



60.7688, 68.6403, 109.1595



76.8867, 68.6403, 65.7682



69.9265, 68.6403, 48.4393

# Sweetspot

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



54.8361, 68.6430, 84.4892



85.4169, 95.0404, 108.1577



46.3659, 65.2836, 38.5925



18.0502, 20.2229, 23.1316



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.



54.8361, 68.6430, 84.4892



65.7920, 84.9415, 106.4207



45.2775, 49.3012, 81.9956



14.7994, 16.3332, 18.4742



23.8854, 35.1863, 46.7581



1.7675, 2.6011, 3.4684



# Inverse Universe

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



48.8880, 40.5219, 34.1016



57.2571, 44.5856, 34.1163



56.0756, 55.0259, 36.1009



14.3842, 14.3709, 14.9577



18.4871, 9.5291, 0.9283

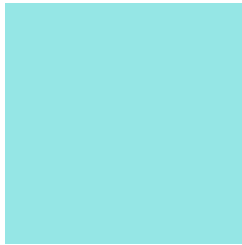


1.3687, 0.7052, 0.0821



# Previews

## White Background



This preview shows how the XYZ color 54.8341, 68.6403, 84.4876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

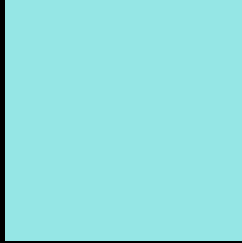
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8341, 68.6403, 84.4876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

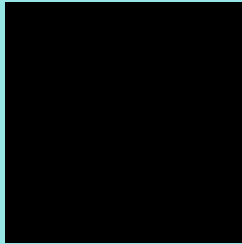
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.8341, 68.6403, 84.4876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8341, 68.6403, 84.4876.



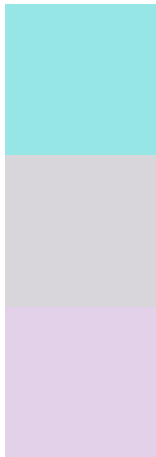
This preview shows how white text looks on a background with the XYZ color 54.8341, 68.6403,



# 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

54.8341, 68.6403, 84.4876

### Protanopia

65.4480, 67.9593, 76.6858

### Deuteranopia

69.1870, 67.8150, 86.5339



## Tritanopia

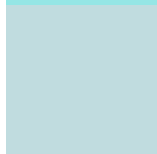
57.2405, 68.3643, 97.3675

# Trichromacy



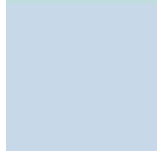
## Original Color

54.8341, 68.6403, 84.4876



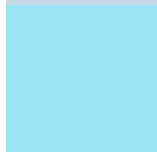
## Protanomaly

60.6507, 67.7206, 79.6868



## Deuteranomaly

62.9315, 67.5940, 86.0740



## Tritanomaly

56.4205, 68.4535, 92.6772

# Monochromacy



## Original Color

54.8341, 68.6403, 84.4876



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

56.4456, 63.7702, 72.9522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8341, 68.6403, 84.4876 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(149, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(149, 230, 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(149, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 230, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8341, 68.6403, 84.4876 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".

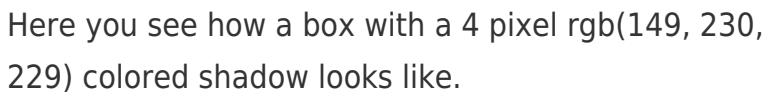
```
.border, #border, table{ border:4px solid rgb(149, 230, 229) }
```



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

```
.border{ border-color:rgb(149, 230, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(149, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 230, 229); box-shadow:4px 4px 4px 4px rgb(149, 230, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8341, 68.6403, 84.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 230, 229) }
```

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

```
.background{ background-color: rgb(149,  
230, 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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