

# Converting Colors

XYZ(53.4133, 69.9472, 70.6484)

Have a look what the booklet for  
XYZ(53.4133, 69.9472, 70.6484)  
contains.

<b>XYZ(53.3857, 69.8837, 70.3497)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.3857, 69.8837,  
70.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96EAD0
RGB	150, 234, 208
RGB Percent	59%, 92%, 82%
CMY	0.4118, 0.0823, 0.1843
CMYK	0.36, 0.00, 0.11, 0.08
HSL	161°, 67%, 75%
HSV	161°, 36%, 92%
XYZ	53.3857, 69.8837, 70.3497
YIQ	205.9200, -41.7180, -25.8940

# Conversions

## Conversions Part 2

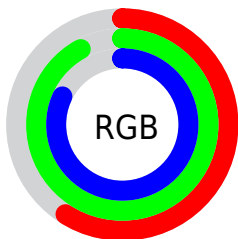
Format	Color
<a href="#">RYB</a>	<a href="#">150, 200, 234</a>
Decimal	<a href="#">9890512</a>
CIELab	<a href="#">86.94, -31.17, 4.58</a>
CIElCh	<a href="#">87, 31.501, 171.637</a>
Yxy	<a href="#">69.8837, 0.2757, 0.3609</a>
Android (android.graphics.Color)	<a href="#">4288080592 (0xFF96EAD0)</a>
YUV	<a href="#">205.9200, 1.0254, -49.0418</a>
Hunter-Lab	<a href="#">83.5965, -32.3016, 8.6227</a>

# Details

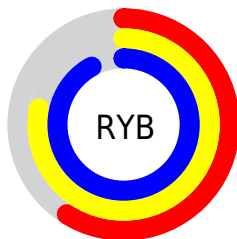
The XYZ color **53.3857, 69.8837, 70.3497** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.6769, 42.4416, 46.4928**, and the grayscale version is **58.6294, 61.6827, 67.1725**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **26.4724, 36.6068, 36.2424** is the 20% darker color. If you saturate the color by 10%, you get **48.6315, 67.5353, 65.5818**, and if you desaturate by 10%, it is **59.0443, 72.6973, 75.3754**.

# Distribution



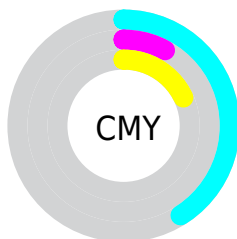
- Red (59%)
- Green (92%)
- Blue (82%)



- Red (59%)
- Yellow (78%)
- Blue (92%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)




- Cyan (41%)
- Magenta (8%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3857, 69.8837, 70.3497 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 53.3857, 69.8837, 70.3497 by changing the saturation by 10% instead.





 53.3857, 69.8837,  
70.3497

 53.3857, 69.8837,  
70.3497

389.9998,  
460.1415, 480.5992

 38.3395, 51.4317,  
51.3331


 94.3339, 119.0429,  
121.3931

 26.4247, 36.5523,  
36.0952


 120.9665,  
150.5189, 154.2570

 17.2760, 24.8611,  
24.2175


152.1920,  
187.1050, 192.5738

 10.5280, 15.9736,  
15.2813

188.3758,  
229.1857, 236.7619

 5.8153, 9.5055,  
8.8683

229.8830,  
277.1453, 287.2400

 2.7727, 5.0723,  
4.5597

277.0792,

 1.0347, 2.2898,

331.3682, 344.4265

1.9372

330.3297,  
392.2388, 408.7401

■ 0.0000, 0.7683,  
0.5162

■ 0.0000, 0.0000,  
0.0000

■ 53.3857, 69.8837,  
70.3497

■ 53.3857, 69.8837,  
70.3497

■ 48.6315, 67.5353,  
65.5818

■ 59.0443, 72.6973,  
75.3754

■ 44.7239, 65.6169,  
61.0617


■ 65.6491, 75.9921,  
80.6592


■ 41.6074, 64.1016,  
56.7855


■ 73.2465, 79.7938,  
86.2073

■ 39.2169, 62.9562,  
52.7472


■ 81.8778, 84.1236,  
92.0245


 37.4769, 62.1417,  
48.9403

 87.0265, 86.6531,  
97.9018

 36.2940, 61.6099,  
45.3574

 88.1497, 87.1023,  
103.8165

 35.9073, 61.4414,  
43.9485

 88.7140, 87.3281,  
106.7880

# Harmonies

## Analogous

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



55.9356, 69.8837, 53.6138



53.3857, 69.8837, 70.3497



54.1208, 69.8837, 92.0303

# Triad

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



53.3857, 69.8837, 70.3497



71.7767, 69.8837, 120.3083



75.5952, 69.8837, 48.5387

# Complementary

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



53.3857, 69.8837, 70.3497



52.6769, 42.4416, 46.4928

# 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.



80.4596, 69.8837, 62.1081



53.3857, 69.8837, 70.3497



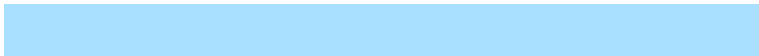
78.1442, 69.8837, 104.1092

# Square

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



53.3857, 69.8837, 70.3497



64.3860, 69.8837, 123.6285



81.4253, 69.8837, 82.1375



68.5012, 69.8837, 42.6329

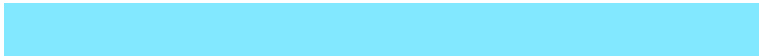


# Rectangle

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



53.3857, 69.8837, 70.3497



56.4003, 69.8837, 106.3107



81.4253, 69.8837, 82.1375



77.5664, 69.8837, 52.2214

# Sweetspot

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



53.3877, 69.8865, 70.3513



84.1061, 94.5161, 101.2548



52.9706, 70.3508, 39.6427



17.7360, 20.0972, 21.4769



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

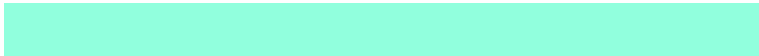


# Same Dimension

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



53.3877, 69.8865, 70.3513



60.5577, 82.7951, 81.2365



52.6585, 62.8817, 87.2071



15.3076, 17.0379, 18.3028



20.2361, 34.5489, 25.0062



1.6318, 2.7300, 2.1890



# Inverse Universe

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



52.6769, 42.4416, 46.4928



59.5852, 44.8844, 48.3259



52.9663, 46.7512, 35.0877



15.2575, 15.1308, 16.6412



19.7827, 10.1158, 4.6569

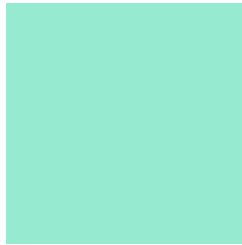


1.5952, 0.8110, 0.5856



# Previews

## White Background



This preview shows how the XYZ color 53.3857, 69.8837, 70.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

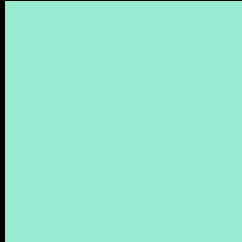
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3857, 69.8837, 70.3497 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

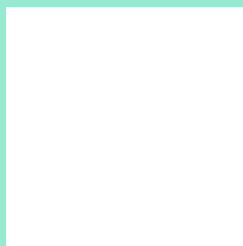
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.3857, 69.8837, 70.3497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3857, 69.8837, 70.3497.



This preview shows how white text looks on a background with the XYZ color 53.3857, 69.8837,



# 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

53.3857, 69.8837, 70.3497

### Protanopia

65.8002, 69.1965, 63.3143

### Deuteranopia

70.6534, 69.2480, 72.5932



## Tritanopia

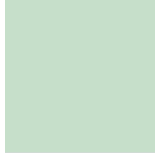
58.8300, 69.5731, 98.3240

# Trichromacy



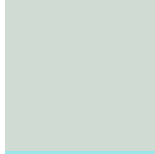
## Original Color

53.3857, 69.8837, 70.3497



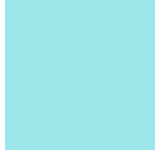
## Protanomaly

60.3370, 69.0454, 66.0241



## Deuteranomaly

62.8215, 68.6316, 71.5642



## Tritanomaly

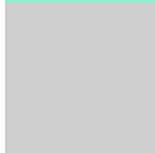
56.7151, 69.5447, 87.5251

# Monochromacy



## Original Color

53.3857, 69.8837, 70.3497



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

56.0681, 64.0558, 68.4404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3857, 69.8837, 70.3497 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(150, 234, 208)` looks like.

```
.text, #text, p{  
    color:rgb(150, 234, 208)  
}
```

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(150, 234, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 234, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3857, 69.8837, 70.3497 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(150, 234, 208) }
```



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

```
.border{ border-color:rgb(150, 234, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 234, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 234, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 234, 208);  
box-shadow:4px 4px 4px 4px rgb(150, 234,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3857, 69.8837, 70.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 234, 208) }
```

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

```
.background{ background-color: rgb(150,  
234, 208) }
```

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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