

# Converting Colors

XYZ(53.4070, 68.6816, 69.7582)

Have a look what the booklet for  
XYZ(53.4070, 68.6816, 69.7582)  
contains.

<b>XYZ(53.3560, 68.6254, 69.4654)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(53.3560, 68.6254,  
69.4654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE7CF
RGB	155, 231, 207
RGB Percent	61%, 91%, 81%
CMY	0.3921, 0.0941, 0.1882
CMYK	0.33, 0.00, 0.10, 0.09
HSL	161°, 61%, 76%
HSV	161°, 33%, 91%
XYZ	53.3560, 68.6254, 69.4654
YIQ	205.5400, -37.5920, -23.5760

# Conversions

## Conversions Part 2

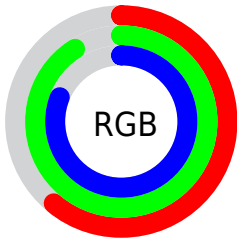
Format	Color
<a href="#">RYB</a>	<a href="#">155, 200, 231</a>
Decimal	<a href="#">10217423</a>
CIELab	<a href="#">86.32, -28.56, 4.24</a>
CIELCh	<a href="#">86, 28.876, 171.562</a>
Yxy	<a href="#">68.6254, 0.2787, 0.3585</a>
Android (android.graphics.Color)	<a href="#">4288407503 (0xFF9BE7CF)</a>
YUV	<a href="#">205.5400, 0.7198, -44.3236</a>
Hunter-Lab	<a href="#">82.8404, -30.0022, 8.2710</a>

# Details

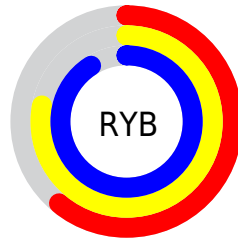
The XYZ color **53.3560, 68.6254, 69.4654** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.8154, 43.6881, 48.2996**, and the grayscale version is **58.3866, 61.4273, 66.8943**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **26.4466, 35.7266, 35.6390** is the 20% darker color. If you saturate the color by 10%, you get **48.4686, 66.2084, 64.6887**, and if you desaturate by 10%, it is **59.1365, 71.5017, 74.5020**.

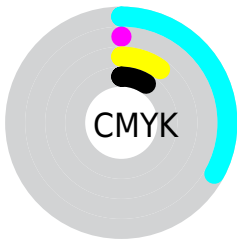
# Distribution



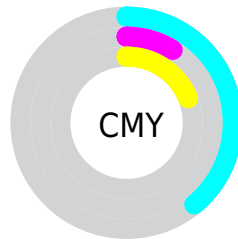
- Red (61%)
- Green (91%)
- Blue (81%)



- Red (61%)
- Yellow (78%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)




- Cyan (39%)
- Magenta (9%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3560, 68.6254, 69.4654 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 53.3560, 68.6254, 69.4654 by changing the saturation by 10% instead.





 53.3560, 68.6254,  
69.4654


 53.3560, 68.6254,  
69.4654


389.8880,  
455.7087, 477.4090

 38.3157, 50.4067,  
50.6167


 94.2905, 117.2464,  
120.1200

 26.4061, 35.7367,  
35.5291


 120.9153,  
148.4174, 152.7630

 17.2620, 24.2309,  
23.7839


152.1323,  
184.6747, 190.8412

 10.5179, 15.5050,  
14.9627

188.3069,  
226.4027, 234.7732

 5.8086, 9.1745,  
8.6469

229.8044,  
273.9856, 284.9774

 2.7686, 4.8552,  
4.4179

276.9902,

 1.0326, 2.1626,

327.8080, 341.8724

1.8573

330.2296,  
388.2542, 405.8768

0.0000, 0.6995,  
0.4654

0.0000, 0.0000,  
0.0000

53.3560, 68.6254,  
69.4654

53.3560, 68.6254,  
69.4654

48.4686, 66.2084,  
64.6887

59.1365, 71.5017,  
74.5020

44.4195, 64.2169,  
60.1621

65.8496, 74.8521,  
79.7987

41.1566, 62.6262,  
55.8817

73.5392, 78.7011,  
85.3619

38.6194, 61.4051,  
51.8416

82.2447, 83.0689,  
91.1961

■ 36.7383, 60.5176,  
48.0356

■ 86.0673, 84.9143,  
97.0279

■ 35.4291, 59.9206,  
44.4565

■ 87.1942, 85.3651,  
102.9622

■ 34.7530, 59.6246,  
42.0471

■ 87.8671, 85.6343,  
106.5057

# Harmonies

## Analogous

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



55.6967, 68.6254, 54.1530



53.3560, 68.6254, 69.4654



54.0217, 68.6254, 89.0339

# Triad

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



53.3560, 68.6254, 69.4654



70.0492, 68.6254, 114.3054



73.5199, 68.6254, 49.5079

# Complementary

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



53.3560, 68.6254, 69.4654



52.8154, 43.6881, 48.2996

# 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.



77.8823, 68.6254, 62.0313



53.3560, 68.6254, 69.4654



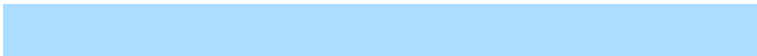
75.7854, 68.6254, 99.9322

# Square

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



53.3560, 68.6254, 69.4654



63.3644, 68.6254, 117.2114



78.7384, 68.6254, 80.2360



67.1245, 68.6254, 43.9852



# Rectangle

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



53.3560, 68.6254, 69.4654



56.1018, 68.6254, 101.8040



78.7384, 68.6254, 80.2360



75.2903, 68.6254, 52.9260

# Sweetspot

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



53.3579, 68.6282, 69.4670



85.0132, 94.9725, 101.8034



53.1003, 69.1130, 41.5530



17.9161, 20.1879, 21.5825



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.



53.3579, 68.6282, 69.4670



62.7827, 83.9028, 83.1172



52.7736, 62.4008, 84.8676



14.6036, 16.2549, 17.4431



19.5408, 33.4484, 23.8799



1.4856, 2.4884, 1.9838



# Inverse Universe

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



52.8154, 43.6881, 48.2996



62.0182, 48.4722, 53.0774



53.0491, 47.7085, 37.4242



14.5636, 14.4426, 15.9022



19.1980, 9.8134, 4.6717

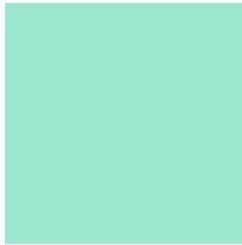


1.4596, 0.7415, 0.5606



# Previews

## White Background



This preview shows how the XYZ color 53.3560, 68.6254, 69.4654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

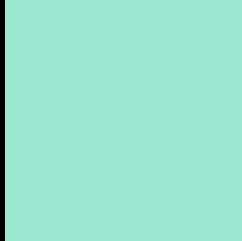
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3560, 68.6254, 69.4654 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

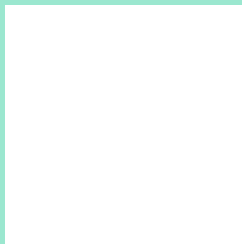
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.3560, 68.6254, 69.4654

## Background



This preview shows how black text looks on a background with the XYZ color 53.3560, 68.6254, 69.4654.



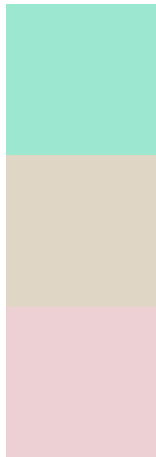
This preview shows how white text looks on a background with the XYZ color 53.3560, 68.6254,



# 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

53.3560, 68.6254, 69.4654

### Protanopia

64.6710, 67.8583, 63.1155

### Deuteranopia

69.3646, 67.8697, 71.7316



## Tritanopia

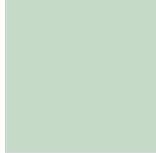
58.6297, 68.7109, 95.7604

# Trichromacy



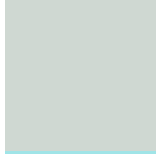
## Original Color

53.3560, 68.6254, 69.4654



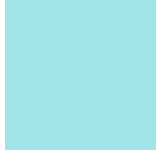
## Protanomaly

59.4245, 67.4092, 65.1376



## Deuteranomaly

61.9209, 67.0303, 70.6473



## Tritanomaly

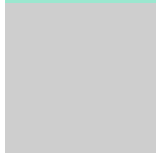
56.6644, 68.7299, 85.8810

# Monochromacy



## Original Color

53.3560, 68.6254, 69.4654



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.9345, 63.6219, 67.7247

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3560, 68.6254, 69.4654 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(155, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(155, 231, 207)  
}
```

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(155, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 231, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3560, 68.6254, 69.4654 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(155, 231, 207) }
```



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

```
.border{ border-color:rgb(155, 231, 207) }
```

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

Here you see how a box with a 4 pixel rgb(155, 231, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(155, 231,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3560, 68.6254, 69.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 231, 207) }
```

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

```
.background{ background-color: rgb(155,  
231, 207) }
```

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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