

# Converting Colors

XYZ(53.9345, 69.9101, 82.0328)

Have a look what the booklet for  
XYZ(53.9345, 69.9101, 82.0328)  
contains.

<b>XYZ(53.8286, 69.8573, 81.8809)</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(53.8286, 69.8573,  
81.8809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CEAE1
RGB	140, 234, 225
RGB Percent	55%, 92%, 88%
CMY	0.4510, 0.0823, 0.1176
CMYK	0.40, 0.00, 0.04, 0.08
HSL	174°, 69%, 73%
HSV	174°, 40%, 92%
XYZ	53.8286, 69.8573, 81.8809
YIQ	204.8680, -53.1350, -22.7270

# Conversions

## Conversions Part 2

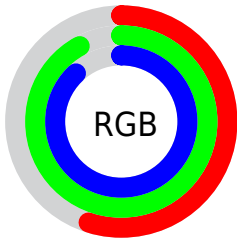
Format	Color
<b>RYB</b>	140, 189, 234
Decimal	9235169
CIELab	86.93, -29.97, -4.41
CIELCh	87, 30.296, 188.378
Yxy	69.8573, 0.2619, 0.3398
Android (android.graphics.Color)	4287425249 (0xFF8CEAE1)
YUV	204.8680, 9.9251, -56.8892
Hunter-Lab	83.5807, -31.3065, 0.4223

# Details

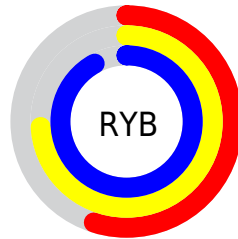
The XYZ color **53.8286, 69.8573, 81.8809** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.7369, 38.4204, 33.2834**, and the grayscale version is **57.9092, 60.9250, 66.3473**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **26.7434, 36.5821, 43.6817** is the 20% darker color. If you saturate the color by 10%, you get **49.9939, 67.9173, 80.1173**, and if you desaturate by 10%, it is **58.5098, 72.2367, 83.7081**.

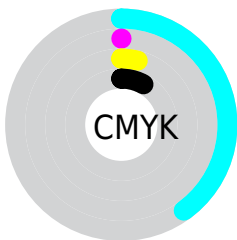
# Distribution



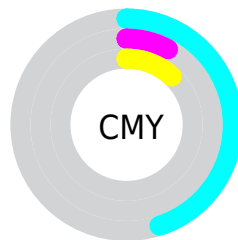
- Red (55%)
- Green (92%)
- Blue (88%)



- Red (55%)
- Yellow (74%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




- Cyan (45%)
- Magenta (8%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8286, 69.8573, 81.8809 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 53.8286, 69.8573, 81.8809 by changing the saturation by 10% instead.





 53.8286, 69.8573,  
81.8809


 53.8286, 69.8573,  
81.8809


391.6651,  
460.0488, 521.1222

 38.6948, 51.4102,  
60.7321


 94.9809, 119.0052,  
137.8422

 26.7020, 36.5352,  
43.5799


 121.7301,  
150.4749, 173.4917

 17.4850, 24.8478,  
30.0056


153.0818,  
187.0541, 214.8120

 10.6783, 15.9637,  
19.5907

189.4013,  
229.1274, 262.2214

 5.9167, 9.4985,  
11.9168

231.0541,  
277.0791, 316.1386

 2.8346, 5.0677,  
6.5652

278.4054,

 1.0669, 2.2871,

331.2937, 376.9821

3.1174

331.8206,  
392.1554, 445.1705

0.0000, 0.7668,  
1.1549

0.0000, 0.0000,  
0.0000

53.8286, 69.8573,  
81.8809

53.8286, 69.8573,  
81.8809

49.9939, 67.9173,  
80.1173

58.5098, 72.2367,  
83.7081

46.9459, 66.3806,  
78.4099

64.0802, 75.0723,  
85.5964

44.6269, 65.2193,  
76.7574

70.5871, 78.3903,  
87.5497

42.9684, 64.3980,  
75.1565

78.0726, 82.2122,  
89.5699

■ 41.8890, 63.8748,  
73.6033

■ 85.8344, 86.1761,  
91.6243

■ 41.2564, 63.5810,  
72.1167

■ 86.1625, 86.3074,  
93.3522

■ 86.4948, 86.4403,  
95.1017

■ 86.8311, 86.5748,  
96.8728

■ 87.1716, 86.7110,  
98.6658

# Harmonies

## Analogous

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



54.5377, 69.8573, 62.5918



53.8286, 69.8573, 81.8809



56.2944, 69.8573, 102.9026

# Triad

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



53.8286, 69.8573, 81.8809



75.2054, 69.8573, 110.8718



71.5368, 69.8573, 45.2910

# Complementary

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



53.8286, 69.8573, 81.8809



48.7369, 38.4204, 33.2834

# 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.



77.6418, 69.8573, 54.3498



53.8286, 69.8573, 81.8809



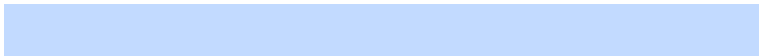
79.8624, 69.8573, 91.3398

# Square

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



53.8286, 69.8573, 81.8809



68.3989, 69.8573, 121.4797



80.7843, 69.8573, 70.5269



64.4351, 69.8573, 43.6649



# Rectangle

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



53.8286, 69.8573, 81.8809



59.5175, 69.8573, 114.2912



80.7843, 69.8573, 70.5269



73.7877, 69.8573, 47.4790

# Sweetspot

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



53.8306, 69.8601, 81.8825



84.2063, 94.4640, 105.9484



46.6261, 67.1691, 35.3198



17.7934, 20.1018, 22.6101



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.



53.8306, 69.8601, 81.8825



61.5895, 82.9619, 97.7812



45.4988, 51.1788, 85.3255



15.4519, 17.0956, 19.0623



23.2088, 35.7380, 40.6601



1.8406, 2.8135, 3.2882



# Inverse Universe

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



48.7369, 38.4204, 33.2834



54.6316, 39.9492, 31.3465



54.5086, 51.0700, 31.7969



15.1241, 15.0775, 15.9386



19.1716, 9.8713, 1.4392

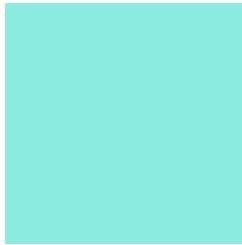


1.5254, 0.7831, 0.2180



# Previews

## White Background



This preview shows how the XYZ color 53.8286, 69.8573, 81.8809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

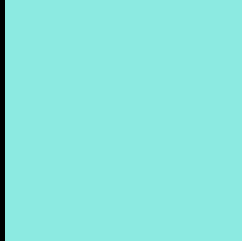
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8286, 69.8573, 81.8809 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

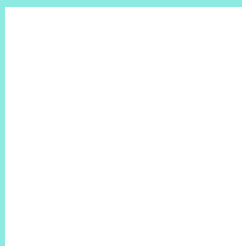
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.8286, 69.8573, 81.8809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8286, 69.8573, 81.8809.



This preview shows how white text looks on a background with the XYZ color 53.8286, 69.8573,



# 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

53.8286, 69.8573, 81.8809

### Protanopia

66.5123, 69.3389, 73.4965

### Deuteranopia

70.2845, 68.7953, 84.4373



## Tritanopia

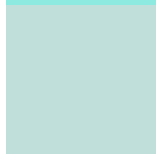
57.2498, 69.5442, 100.0285

# Trichromacy



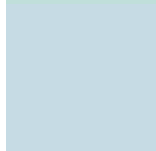
## Original Color

53.8286, 69.8573, 81.8809



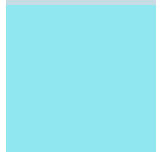
## Protanomaly

60.7808, 69.0438, 76.4530



## Deuteranomaly

62.6238, 68.2702, 83.2756



## Tritanomaly

55.8057, 69.3724, 92.8870

# Monochromacy



## Original Color

53.8286, 69.8573, 81.8809



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

55.4956, 63.6890, 71.6556

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8286, 69.8573, 81.8809 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(140, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(140, 234, 225)  
}
```

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(140, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 234, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8286, 69.8573, 81.8809 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(140, 234, 225) }
```



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

```
.border{ border-color:rgb(140, 234, 225) }
```

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

Here you see how a box with a 4 pixel rgb(140, 234, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(140, 234,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8286, 69.8573, 81.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 234, 225) }
```

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

```
.background{ background-color: rgb(140,  
234, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor