

# Converting Colors

XYZ(53.0285, 66.7957, 69.3419)

Have a look what the booklet for  
XYZ(53.0285, 66.7957, 69.3419)  
contains.

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# Color

**XYZ(53.0296, 66.8141,  
69.1329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE3CF
RGB	159, 227, 207
RGB Percent	62%, 89%, 81%
CMY	0.3765, 0.1098, 0.1882
CMYK	0.30, 0.00, 0.09, 0.11
HSL	162°, 55%, 76%
HSV	162°, 30%, 89%
XYZ	53.0296, 66.8141, 69.1329
YIQ	204.3880, -34.1080, -20.6360

# Conversions

## Conversions Part 2

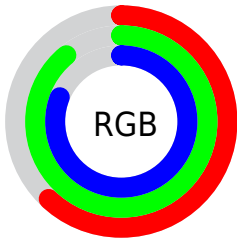
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 199, 227
Decimal	10478543
CIELab	85.41, -25.49, 2.95
CIELCh	85, 25.662, 173.407
Yxy	66.8141, 0.2806, 0.3536
Android (android.graphics.Color)	4288668623 (0xFF9FE3CF)
YUV	204.3880, 1.2877, -39.8053
Hunter-Lab	81.7399, -27.2411, 7.0724

# Details

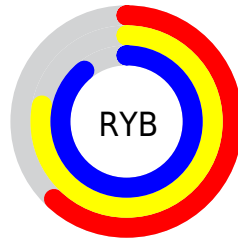
The XYZ color **53.0296, 66.8141, 69.1329** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.2156, 44.3835, 48.4653**, and the grayscale version is **57.6490, 60.6512, 66.0492**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **26.1384, 34.4290, 35.4048** is the 20% darker color. If you saturate the color by 10%, you get **48.1360, 64.3855, 64.7331**, and if you desaturate by 10%, it is **58.7882, 69.6882, 73.7563**.

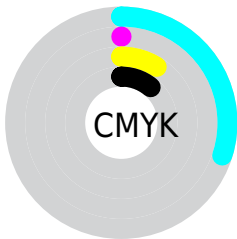
# Distribution



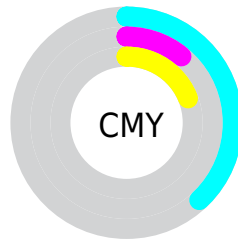
- Red (62%)
- Green (89%)
- Blue (81%)



- Red (62%)
- Yellow (78%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0296, 66.8141, 69.1329 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 53.0296, 66.8141, 69.1329 by changing the saturation by 10% instead.





 53.0296, 66.8141,  
69.1329


 53.0296, 66.8141,  
69.1329


388.6577,  
449.2828, 476.2062

 38.0540, 48.9336,  
50.3475

 93.8132, 114.6540,  
119.6409

 26.2020, 34.5668,  
35.3165


 120.3519,  
145.3821, 152.2005

 17.1083, 23.3294,  
23.6213


151.4756,  
181.1616, 190.1887

 10.4075, 14.8369,  
14.8433

187.5498,  
222.3768, 234.0239

 5.7343, 8.7050,  
8.5641

228.9397,  
269.4122, 284.1248

 2.7233, 4.5493,  
4.3651

276.0108,

 1.0092, 1.9853,

322.6520, 340.9097

1.8277

329.1283,  
382.4807, 404.7973

0.0000, 0.5989,  
0.4461

0.0000, 0.0000,  
0.0000

53.0296, 66.8141,  
69.1329

53.0296, 66.8141,  
69.1329

48.1360, 64.3855,  
64.7331

58.7882, 69.6882,  
73.7563

44.0560, 62.3705,  
60.5481


65.4483, 73.0212,  
78.6028


40.7413, 60.7463,  
56.5746


73.0513, 76.8362,  
83.6780


38.1362, 59.4840,  
52.8079


81.6342, 81.1523,  
88.9857


 36.1771, 58.5509,  
49.2427


 84.4962, 82.5150,  
94.2143


 34.7884, 57.9081,  
45.8729

 85.5089, 82.9201,  
99.5471

 33.8395, 57.4884,  
42.6901

 86.5585, 83.3399,  
105.0742

 33.8357, 57.4868,  
42.6766

 86.7603, 83.4206,  
106.1368

# Harmonies

## Analogous

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



54.9415, 66.8141, 55.2761



53.0296, 66.8141, 69.1329



53.7837, 66.8141, 86.2302

# Triad

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



53.0296, 66.8141, 69.1329



68.0523, 66.8141, 106.2820



70.4083, 66.8141, 49.9429

# Complementary

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



53.0296, 66.8141, 69.1329



52.2156, 44.3835, 48.4653

# 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.



74.3319, 66.8141, 60.7520



53.0296, 66.8141, 69.1329



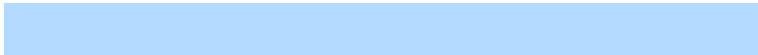
72.9146, 66.8141, 93.5637

# Square

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



53.0296, 66.8141, 69.1329



62.2292, 66.8141, 109.4337



75.2759, 66.8141, 76.4895



64.7977, 66.8141, 45.3432



# Rectangle

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



53.0296, 66.8141, 69.1329



55.7209, 66.8141, 97.0550



75.2759, 66.8141, 76.4895



71.9818, 66.8141, 52.8832

# Sweetspot

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



53.0315, 66.8168, 69.1344



86.0369, 95.4770, 102.9041



52.4121, 67.0757, 42.9863



18.1241, 20.2900, 21.8232



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

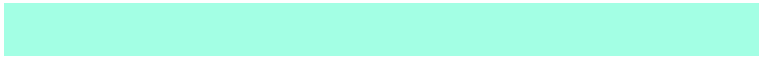


# Same Dimension

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



53.0315, 66.8168, 69.1344



64.9084, 84.9289, 86.3686



52.0602, 60.7094, 81.6505



14.6173, 16.2603, 17.5155



19.7856, 33.5463, 25.1691



1.5022, 2.4950, 2.0713



# Inverse Universe

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



52.2156, 44.3835, 48.4653



63.6892, 51.2521, 55.3674



52.8056, 48.5698, 39.3936



14.5505, 14.4374, 15.8335



19.1063, 9.7767, 4.1889

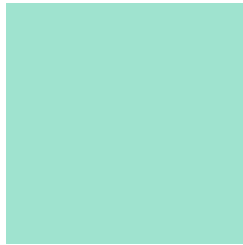


1.4515, 0.7383, 0.5180



# Previews

## White Background



This preview shows how the XYZ color 53.0296, 66.8141, 69.1329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

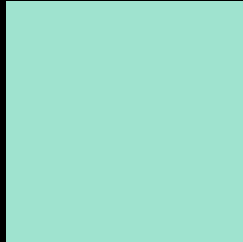
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0296, 66.8141, 69.1329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

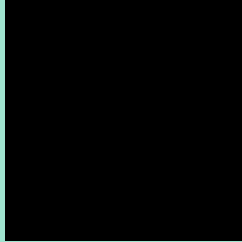
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

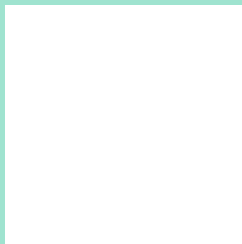
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.0296, 66.8141, 69.1329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0296, 66.8141, 69.1329.



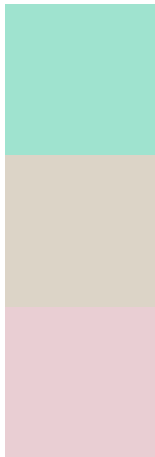
This preview shows how white text looks on a background with the XYZ color 53.0296, 66.8141,



# 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

53.0296, 66.8141, 69.1329

### Protanopia

63.3675, 66.4261, 63.5145

### Deuteranopia

67.4335, 66.1694, 70.8459



## Tritanopia

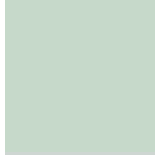
57.5753, 66.6408, 92.2665

# Trichromacy



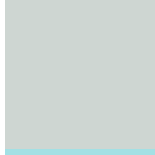
## Original Color

53.0296, 66.8141, 69.1329



## Protanomaly

58.7622, 65.8957, 65.4992



## Deuteranomaly

61.1330, 65.8681, 70.4645



## Tritanomaly

55.7635, 66.6993, 83.3340

# Monochromacy



## Original Color

53.0296, 66.8141, 69.1329



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

55.3020, 62.1861, 66.8460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0296, 66.8141, 69.1329 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(159, 227, 207)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 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(159, 227, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0296, 66.8141, 69.1329 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(159, 227, 207) }
```



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

```
.border{ border-color:rgb(159, 227, 207) }
```

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

Here you see how a box with a 4 pixel rgb(159, 227, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 207);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0296, 66.8141, 69.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 207) }
```

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

```
.background{ background-color: rgb(159,  
227, 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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