

# Converting Colors

XYZ(49.6552, 66.0097, 66.9139)

Have a look what the booklet for  
XYZ(49.6552, 66.0097, 66.9139)  
contains.

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# Color

**XYZ(49.6140, 65.9259,  
66.6099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8CE5CB
RGB	140, 229, 203
RGB Percent	55%, 90%, 80%
CMY	0.4510, 0.1019, 0.2039
CMYK	0.39, 0.00, 0.11, 0.10
HSL	162°, 63%, 72%
HSV	162°, 39%, 90%
XYZ	49.6140, 65.9259, 66.6099
YIQ	199.4250, -44.6980, -26.9540

# Conversions

## Conversions Part 2

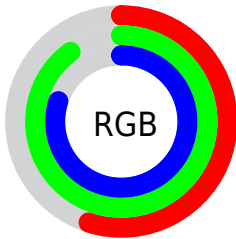
Format	Color
<a href="#">RYB</a>	<a href="#">140, 192, 229</a>
Decimal	<a href="#">9233867</a>
CIELab	<a href="#">84.96, -32.58, 4.29</a>
CIElCh	<a href="#">85, 32.861, 172.507</a>
Yxy	<a href="#">65.9259, 0.2724, 0.3619</a>
Android (android.graphics.Color)	<a href="#">4287423947</a> ( <a href="#">0xFF8CE5CB</a> )
YUV	<a href="#">199.4250, 1.7625, -52.1157</a>
Hunter-Lab	<a href="#">81.1948, -33.0186, 8.1965</a>

# Details

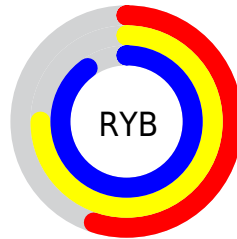
The XYZ color **49.6140, 65.9259, 66.6099** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.5764, 38.1690, 40.8860**, and the grayscale version is **54.5571, 57.3983, 62.5067**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.0245, 33.9419, 33.7190** is the 20% darker color. If you saturate the color by 10%, you get **45.3696, 63.8297, 62.3395**, and if you desaturate by 10%, it is **54.6995, 68.4551, 71.1021**.

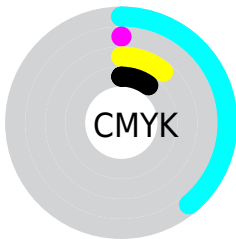
# Distribution



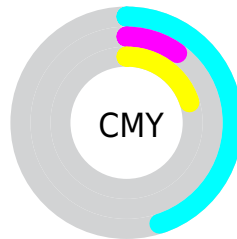
- Red (55%)
- Green (90%)
- Blue (80%)



- Red (55%)
- Yellow (75%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)




- Cyan (45%)
- Magenta (10%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6140, 65.9259, 66.6099 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 49.6140, 65.9259, 66.6099 by changing the saturation by 10% instead.





 49.6140, 65.9259,  
66.6099


 49.6140, 65.9259,  
66.6099


375.6315,  
446.1118, 467.0186

 35.3233, 48.2123,  
48.3081


 88.7979, 113.3800,  
115.9966

 24.0797, 33.9950,  
33.7092

 114.4219,  
143.8892, 147.9185

 15.5178, 22.8898,  
22.3947


144.5544,  
179.4324, 185.2176

 9.2723, 14.5121,  
13.9461

179.5607,  
220.3939, 228.3123

 4.9777, 8.4777,  
7.9449

219.8062,  
267.1583, 277.6212

 2.2688, 4.4021,  
3.9724

265.6563,

 0.7786, 1.9009,

320.1098, 333.5629

1.6102

317.4763,  
379.6328, 396.5558

0.0000, 0.5489,  
0.2981

0.0000, 0.0000,  
0.0000

49.6140, 65.9259,  
66.6099

49.6140, 65.9259,  
66.6099

45.3696, 63.8297,  
62.3395

54.6995, 68.4551,  
71.1021

41.9101, 62.1325,  
58.2819


60.6667, 71.4332,  
75.8160


39.1811, 60.8080,  
54.4336


67.5605, 74.8848,  
80.7573


37.1186, 59.8233,  
50.7893


75.4207, 78.8306,  
85.9299


 35.6469, 59.1393,  
47.3431


 84.2850, 83.2898,  
91.3378

 34.6512, 58.6970,  
44.0871

 85.4601, 83.7808,  
96.5760

 34.5509, 58.6531,  
43.7286

 86.4901, 84.1928,  
101.9997

 87.3105, 84.5210,  
106.3202

# Harmonies

## Analogous

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



52.0591, 65.9259, 49.7717



49.6140, 65.9259, 66.6099



50.4401, 65.9259, 88.4959

# Triad

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



49.6140, 65.9259, 66.6099



68.2530, 65.9259, 116.2708



71.7040, 65.9259, 44.1164

# Complementary

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



49.6140, 65.9259, 66.6099



48.5764, 38.1690, 40.8860

# 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.



76.7108, 65.9259, 57.3175



49.6140, 65.9259, 66.6099



74.6117, 65.9259, 99.4792

# Square

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



49.6140, 65.9259, 66.6099



60.8276, 65.9259, 120.1040



77.8146, 65.9259, 77.2153



64.5301, 65.9259, 38.5489



# Rectangle

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



49.6140, 65.9259, 66.6099



52.7677, 65.9259, 102.9040



77.8146, 65.9259, 77.2153



73.7186, 65.9259, 47.6680

# Sweetspot

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



49.6159, 65.9286, 66.6114



83.2684, 94.0888, 101.0093



48.6280, 66.1177, 35.0110



17.5716, 20.0130, 21.4418



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.



49.6159, 65.9286, 66.6114



58.6921, 81.8498, 80.4048



48.3041, 57.9230, 82.7663



14.6186, 16.2609, 17.5221



19.8086, 33.5555, 25.2900



1.5038, 2.4956, 2.0795



# Inverse Universe

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



48.5764, 38.1690, 40.8860



57.1963, 41.5384, 43.1154



49.2416, 42.9388, 30.5047



14.5493, 14.4369, 15.8272



19.0983, 9.7735, 4.1465

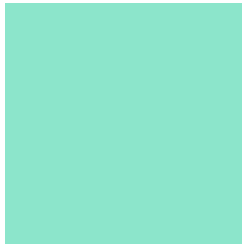


1.4508, 0.7380, 0.5142



# Previews

## White Background



This preview shows how the XYZ color 49.6140, 65.9259, 66.6099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

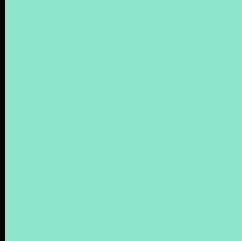
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6140, 65.9259, 66.6099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

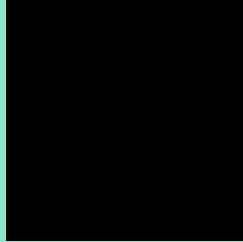
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6140, 65.9259, 66.6099**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6140, 65.9259, 66.6099.



This preview shows how white text looks on a background with the XYZ color 49.6140, 65.9259, 66.6099.



# 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

49.6140, 65.9259, 66.6099

### Protanopia

61.8856, 65.0035, 59.7373

### Deuteranopia

66.2567, 64.8956, 68.7085



## Tritanopia

54.6593, 65.5158, 92.9841

# Trichromacy



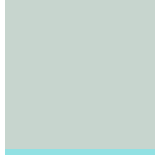
## Original Color

49.6140, 65.9259, 66.6099



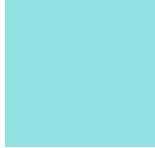
## Protanomaly

56.1261, 64.6041, 62.3350



## Deuteranomaly

58.4880, 64.1868, 67.6992



## Tritanomaly

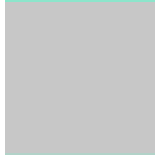
52.6444, 65.5075, 82.5426

# Monochromacy



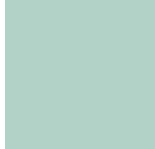
## Original Color

49.6140, 65.9259, 66.6099



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

51.8320, 59.7283, 63.4405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6140, 65.9259, 66.6099 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, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 203)  
}
```

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, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6140, 65.9259, 66.6099 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, 229, 203) }
```



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

```
.border{ border-color:rgb(140, 229, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6140, 65.9259, 66.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 203) }
```

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

```
.background{ background-color: rgb(140,  
229, 203) }
```

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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