

# Converting Colors

XYZ(49.4890, 61.3880, 79.8597)

Have a look what the booklet for  
XYZ(49.4890, 61.3880, 79.8597)  
contains.

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# Color

**XYZ(49.6013, 61.6203,  
79.8007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CDBE0
RGB	140, 219, 224
RGB Percent	55%, 86%, 88%
CMY	0.4510, 0.1412, 0.1216
CMYK	0.37, 0.02, 0.00, 0.12
HSL	184°, 58%, 71%
HSV	184°, 37%, 88%
XYZ	49.6013, 61.6203, 79.8007
YIQ	195.9490, -48.6890, -15.1930

# Conversions

## Conversions Part 2

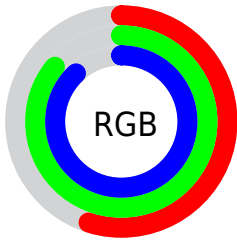
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 181, 224
Decimal	9231328
CIE <sub>Lab</sub>	82.71, -22.93, -10.13
CIE <sub>LCh</sub>	83, 25.065, 203.836
Yxy	61.6203, 0.2597, 0.3226
Android (android.graphics.Color)	4287421408 (0xFF8CDBE0)
YUV	195.9490, 13.8291, -49.0673
Hunter-Lab	78.4986, -24.5829, -5.3245

# Details

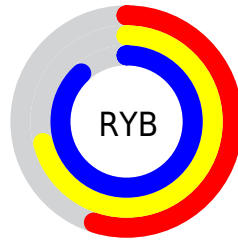
The XYZ color **49.6013, 61.6203, 79.8007** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6005, 37.9924, 29.7423**, and the grayscale version is **52.3809, 55.1088, 60.0135**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.0930, 31.3003, 42.3078** is the 20% darker color. If you saturate the color by 10%, you get **45.8584, 59.1781, 79.5276**, and if you desaturate by 10%, it is **54.1189, 64.4689, 80.1135**.

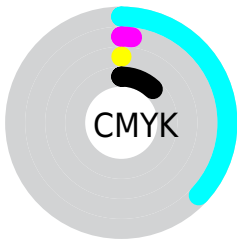
# Distribution



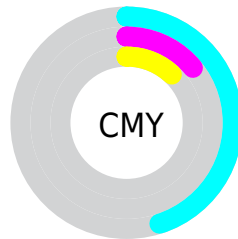
- Red (55%)
- Green (86%)
- Blue (88%)



- Red (55%)
- Yellow (71%)
- Blue (88%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (45%)
- Magenta (14%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6013, 61.6203, 79.8007 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 49.6013, 61.6203, 79.8007 by changing the saturation by 10% instead.



■ 49.6013, 61.6203,  
79.8007

■ 49.6013, 61.6203,  
79.8007

375.5825,  
430.5447, 513.9500

■ 35.3132, 44.7260,  
59.0292

■ 88.7792, 107.1766,  
134.8944

■ 24.0719, 31.2416,  
42.2164

■ 114.3998,  
136.6073, 170.0536

■ 15.5120, 20.7829,  
28.9440

144.5285,  
170.9856, 210.8457

■ 9.2681, 12.9654,  
18.7932

179.5308,  
210.6959, 257.6894

■ 4.9750, 7.4047,  
11.3457

219.7720,  
256.1225, 311.0031

■ 2.2672, 3.7165,  
6.1827

265.6174,

■ 0.7778, 1.5163,

307.6500, 371.2054

2.8859

317.4325,  
365.6626, 438.7149

■ 0.0000, 0.3001,  
1.0367

■ 0.0000, 0.0000,  
0.0000

■ 49.6013, 61.6203,  
79.8007

■ 49.6013, 61.6203,  
79.8007

■ 45.8584, 59.1781,  
79.5276

■ 54.1189, 64.4689,  
80.1135

■ 42.8379, 57.1110,  
79.2878


■ 59.4487, 67.7389,  
80.4638


■ 40.4894, 55.3944,  
79.0803


■ 65.6322, 71.4532,  
80.8548


■ 38.7540, 53.9980,  
78.9022


■ 72.7068, 75.6310,  
81.2883


 37.5623, 52.8860,  
78.7504


 80.7074, 80.2904,  
81.7660


 36.8210, 52.0102,  
78.6204

 82.1640, 81.5803,  
81.9382

 36.6681, 51.8086,  
78.5896

 82.5299, 82.3122,  
82.0602

 82.8987, 83.0498,  
82.1831

 83.2703, 83.7930,  
82.3070

# Harmonies

## Analogous

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



48.8683, 61.6203, 63.9609



49.6013, 61.6203, 79.8007



52.6701, 61.6203, 93.9847

# Triad

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



49.6013, 61.6203, 79.8007



67.3285, 61.6203, 86.1513



59.6868, 61.6203, 41.7264

# Complementary

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



49.6013, 61.6203, 79.8007



45.6005, 37.9924, 29.7423

# 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.



64.8911, 61.6203, 45.8944



49.6013, 61.6203, 79.8007



69.4737, 61.6203, 70.3278

# Square

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



49.6013, 61.6203, 79.8007



62.8515, 61.6203, 98.0265



68.5556, 61.6203, 55.8133



54.4841, 61.6203, 43.4673

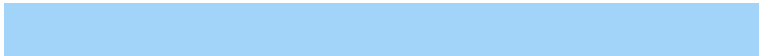


# Rectangle

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



49.6013, 61.6203, 79.8007



55.7336, 61.6203, 99.7834



68.5556, 61.6203, 55.8133



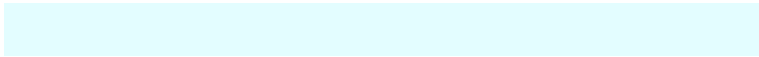
61.4974, 61.6203, 42.4596

# Sweetspot

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



49.6031, 61.6227, 79.8021



84.9427, 94.0026, 108.2751



42.5216, 60.9078, 35.9825



17.9363, 19.9735, 23.1599



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.



49.6031, 61.6227, 79.8021



62.5279, 80.0582, 106.7649



40.1518, 42.7200, 76.6517



14.0431, 15.4253, 17.6249



21.3736, 30.2168, 45.7543



1.5030, 2.1375, 3.1786



# Inverse Universe

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



52.9063, 39.7195, 71.8987



67.6247, 46.8773, 94.4314



53.0765, 52.9443, 32.2343



14.2580, 13.9208, 17.1286



24.7286, 11.9585, 36.8323

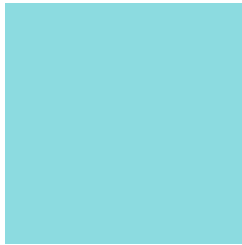


1.7249, 0.8332, 2.6102



# Previews

## White Background



This preview shows how the XYZ color 49.6013, 61.6203, 79.8007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

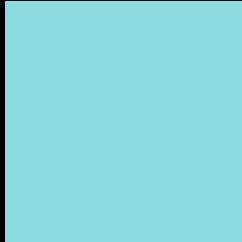
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6013, 61.6203, 79.8007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

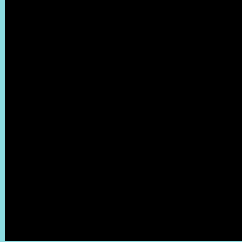
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 49.6013, 61.6203, 79.8007

## Background



This preview shows how black text looks on a background with the XYZ color 49.6013, 61.6203, 79.8007.



This preview shows how white text looks on a background with the XYZ color 49.6013, 61.6203,



# 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

49.6013, 61.6203, 79.8007

### Protanopia

59.3122, 61.2138, 72.9793

### Deuteranopia

62.1586, 60.7444, 81.8475



## **Tritanopia**

51.1359, 61.4635, 87.7658

# Trichromacy



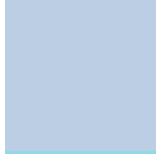
## Original Color

49.6013, 61.6203, 79.8007



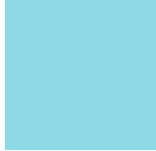
## Protanomaly

54.7468, 60.6080, 75.1427



## Deuteranomaly

56.4300, 60.2535, 81.3289



## Tritanomaly

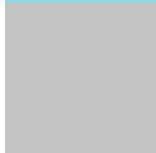
50.6505, 61.6631, 84.8339

# Monochromacy



## Original Color

49.6013, 61.6203, 79.8007



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

50.6379, 56.8721, 66.7010

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6013, 61.6203, 79.8007 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, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(140, 219, 224)  
}
```

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, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 219, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6013, 61.6203, 79.8007 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, 219, 224) }
```



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

```
.border{ border-color:rgb(140, 219, 224) }
```

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

Here you see how a box with a 4 pixel rgb(140, 219, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(140, 219,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6013, 61.6203, 79.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 219, 224) }
```

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

```
.background{ background-color: rgb(140,  
219, 224) }
```

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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