

# Converting Colors

XYZ(53.6766, 62.2924, 79.3769)

Have a look what the booklet for  
XYZ(53.6766, 62.2924, 79.3769)  
contains.

|  |    |
|--|----|
| <b>XYZ(53.6913, 62.1982, 79.6966)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(53.6913, 62.1982,  
79.6966)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | A7D7E0                      |
| RGB           | 167, 215, 224               |
| RGB Percent   | 65%, 84%, 88%               |
| CMY           | 0.3451, 0.1568, 0.1216      |
| CMYK          | 0.25, 0.04, 0.00, 0.12      |
| HSL           | 189°, 48%, 77%              |
| HSV           | 189°, 25%, 88%              |
| XYZ           | 53.6913, 62.1982, 79.6966   |
| YIQ           | 201.6740, -31.4970, -7.3770 |

# Conversions

## Conversions Part 2

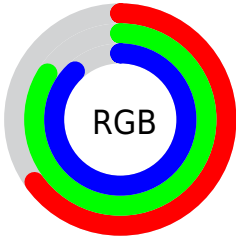
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 167, 193, 224                  |
| Decimal                             | 10999776                       |
| CIELab                              | 83.02, -13.48, -9.52           |
| CIELCh                              | 83, 16.503, 215.233            |
| Yxy                                 | 62.1982, 0.2745,<br>0.3180     |
| Android<br>(android.graphics.Color) | 4289189856<br>(0xFFA7D7E0)     |
| YUV                                 | 201.6740, 11.0067,<br>-30.4091 |
| Hunter-Lab                          | 78.8658, -16.4937,<br>-4.7085  |

# Details

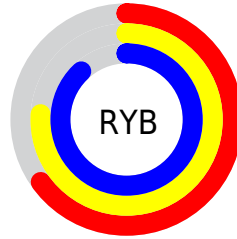
The XYZ color **53.6913, 62.1982, 79.6966** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.2415, 49.6882, 43.3451**, and the grayscale version is **55.8851, 58.7955, 64.0283**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **26.5423, 31.5169, 42.2206** is the 20% darker color. If you saturate the color by 10%, you get **48.4727, 58.1872, 79.1985**, and if you desaturate by 10%, it is **59.7527, 66.6757, 80.2424**.

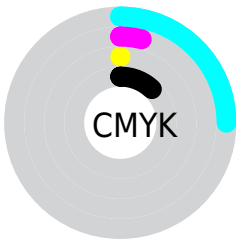
# Distribution



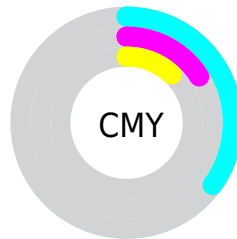
- Red (65%)
- Green (84%)
- Blue (88%)



- Red (65%)
- Yellow (76%)
- Blue (88%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)




- Cyan (35%)
- Magenta (16%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6913, 62.1982, 79.6966 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 53.6913, 62.1982, 79.6966 by changing the saturation by 10% instead.





 53.6913, 62.1982,  
79.6966


 53.6913, 62.1982,  
79.6966


391.1493,  
432.6537, 513.5895

 38.5846, 45.1929,  
58.9440


 94.7804, 108.0119,  
134.7466

 26.6160, 31.6094,  
42.1483


 121.4935,  
137.5891, 169.8812

 17.4201, 21.0633,  
28.8910


152.8061,  
172.1257, 210.6467

 10.6316, 13.1703,  
18.7535

189.0836,  
212.0061, 257.4619

 5.8852, 7.5459,  
11.3173

230.6913,  
257.6147, 310.7453

 2.8154, 3.8058,  
6.1638

277.9946,

 1.0569, 1.5655,

309.3359, 370.9153

2.8746

331.3588,  
367.5541, 438.3905

■ 0.0000, 0.3342,  
1.0309

■ 0.0000, 0.0000,  
0.0000

■ 53.6913, 62.1982,  
79.6966

■ 53.6913, 62.1982,  
79.6966

■ 48.4727, 58.1872,  
79.1985

■ 59.7527, 66.6757,  
80.2424

■ 44.0489, 54.6132,  
78.7418

■ 66.6907, 71.6325,  
80.8335

■ 40.3757, 51.4546,  
78.3257

■ 74.5440, 77.0905,  
81.4731

■ 37.4021, 48.6850,  
77.9479

■ 82.7549, 82.7622,  
82.1351

35.0706, 46.2745,  
77.6055

83.7441, 84.7406,  
82.4648

33.3142, 44.1886,  
77.2954

84.7533, 86.7591,  
82.8012

32.0509, 42.3846,  
77.0138

85.7827, 88.8179,  
83.1443

31.5757, 41.6238,  
76.8920

86.8324, 90.9172,  
83.4942

87.9025, 93.0574,  
83.8509

# Harmonies

## Analogous

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



52.5482, 62.1982, 69.5302



53.6913, 62.1982, 79.6966



56.2910, 62.1982, 87.1670

# Triad

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



53.6913, 62.1982, 79.6966



65.5653, 62.1982, 76.2885



58.4943, 62.1982, 49.9881

# Complementary

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



53.6913, 62.1982, 79.6966



53.2415, 49.6882, 43.3451

# 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.



62.0371, 62.1982, 51.4100



53.6913, 62.1982, 79.6966



66.2127, 62.1982, 65.9479

# Square

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



53.6913, 62.1982, 79.6966



63.1625, 62.1982, 85.0648



64.8976, 62.1982, 57.0135



55.2491, 62.1982, 52.9149



# Rectangle

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



53.6913, 62.1982, 79.6966



58.5494, 62.1982, 89.2403



64.8976, 62.1982, 57.0135



59.6893, 62.1982, 49.9768

# Sweetspot

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



53.6931, 62.2007, 79.6980



86.9203, 94.2968, 108.2277



50.3852, 64.6447, 50.6646



18.2963, 19.9642, 23.1391



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

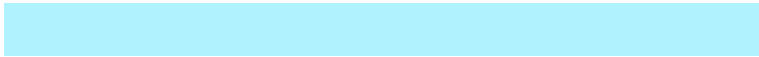


# Same Dimension

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



53.6931, 62.2007, 79.6980



67.8510, 80.2598, 106.5233



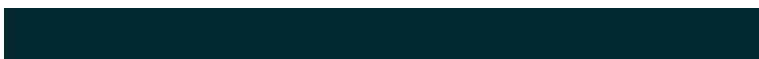
47.1518, 49.1180, 77.5176



13.9227, 15.1845, 17.5848



18.4492, 24.3679, 44.7795



1.3290, 1.7894, 3.1206



# Inverse Universe

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



56.8264, 48.3924, 70.6384



72.8611, 58.7333, 91.9126



59.3214, 61.8480, 45.3717



14.1972, 13.8965, 16.8086



23.2525, 11.3680, 29.0591

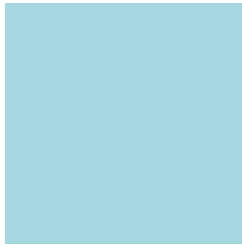


1.6371, 0.7981, 2.1475



# Previews

## White Background



This preview shows how the XYZ color 53.6913, 62.1982, 79.6966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

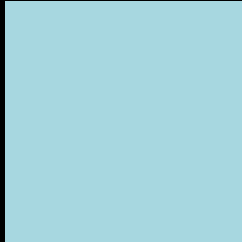
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6913, 62.1982, 79.6966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

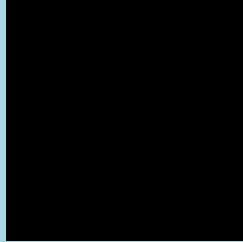
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.6913, 62.1982, 79.6966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6913, 62.1982, 79.6966.



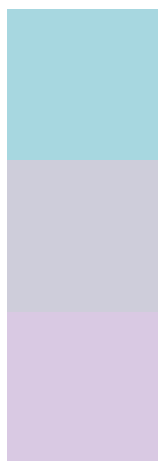
This preview shows how white text looks on a background with the XYZ color 53.6913, 62.1982,



# 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

53.6913, 62.1982, 79.6966

### Protanopia

59.9398, 61.8464, 75.1081

### Deuteranopia

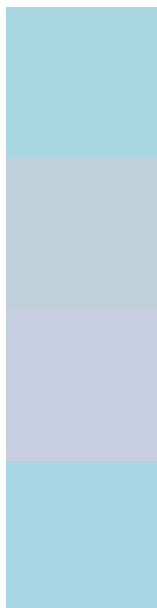
63.3670, 62.0711, 81.3142



## Tritanopia

54.6188, 62.1875, 84.7260

# Trichromacy



## Original Color

53.6913, 62.1982, 79.6966

## Protanomaly

57.4570, 61.9747, 76.6442

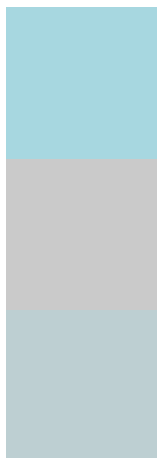
## Deuteranomaly

59.3520, 61.7757, 80.7472

## Tritanomaly

54.1986, 62.0194, 82.5132

# Monochromacy



## Original Color

53.6913, 62.1982, 79.6966

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.9319, 60.0976, 69.6775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6913, 62.1982, 79.6966 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(167, 215, 224)` looks like.

```
.text, #text, p{  
    color:rgb(167, 215, 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(167, 215, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 215, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6913, 62.1982, 79.6966 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(167, 215, 224) }
```



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

```
.border{ border-color:rgb(167, 215, 224) }
```

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

Here you see how a box with a 4 pixel rgb(167, 215, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 215, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 215, 224);  
box-shadow:4px 4px 4px 4px rgb(167, 215,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6913, 62.1982, 79.6966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 215, 224) }
```

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

```
.background{ background-color: rgb(167,  
215, 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](#).

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