

# Converting Colors

XYZ(53.8908, 61.2244, 81.7204)

Have a look what the booklet for  
XYZ(53.8908, 61.2244, 81.7204)  
contains.

<b>XYZ(53.7708, 61.0680, 81.6263)</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(53.7708, 61.0680,  
81.6263)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9D4E3
RGB	169, 212, 227
RGB Percent	66%, 83%, 89%
CMY	0.3372, 0.1686, 0.1098
CMYK	0.26, 0.07, 0.00, 0.11
HSL	196°, 51%, 78%
HSV	196°, 26%, 89%
XYZ	53.7708, 61.0680, 81.6263
YIQ	200.8530, -30.4430, -4.4510

# Conversions

## Conversions Part 2

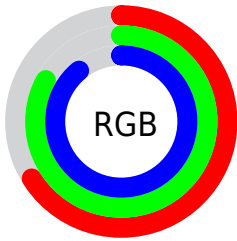
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 194, 227
Decimal	11130083
CIELab	82.42, -10.67, -12.00
CIELCh	82, 16.064, 228.354
Yxy	61.0680, 0.2737, 0.3108
Android (android.graphics.Color)	4289320163 (0xFFA9D4E3)
YUV	200.8530, 12.8905, -27.9351
Hunter-Lab	78.1460, -13.9330, -7.2283

# Details

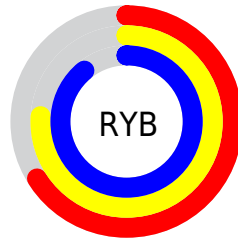
The XYZ color **53.7708, 61.0680, 81.6263** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.9812, 53.4769, 44.9091**, and the grayscale version is **55.3640, 58.2472, 63.4312**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **26.5736, 30.7373, 43.5620** is the 20% darker color. If you saturate the color by 10%, you get **47.8769, 55.8922, 80.9389**, and if you desaturate by 10%, it is **60.5671, 66.7913, 82.3738**.

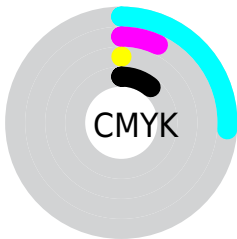
# Distribution



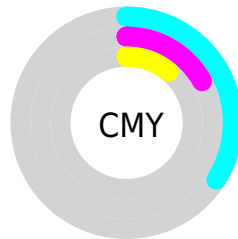
- Red (66%)
- Green (83%)
- Blue (89%)



- Red (66%)
- Yellow (76%)
- Blue (89%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (34%)
- Magenta (17%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7708, 61.0680, 81.6263 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 53.7708, 61.0680, 81.6263 by changing the saturation by 10% instead.



■ 53.7708, 61.0680,  
81.6263

■ 53.7708, 61.0680,  
81.6263

391.4480,  
428.5233, 520.2474

■ 38.6484, 44.2800,  
60.5235

■ 94.8965, 106.3774,  
137.4818

■ 26.6658, 30.8907,  
43.4127

■ 121.6305,  
135.6676, 173.0716

■ 17.4577, 20.5157,  
29.8753

152.9657,  
169.8941, 214.3275

■ 10.6587, 12.7704,  
19.4927

189.2676,  
209.4411, 261.6681

■ 5.9034, 7.2707,  
11.8464

230.9014,  
254.6932, 315.5118

■ 2.8265, 3.6319,  
6.5179

278.2325,

■ 1.0627, 1.4699,

306.0346, 376.2772

3.0886

331.6262,  
363.8499, 444.3829

■ 0.0000, 0.2674,  
1.1401

■ 0.0000, 0.0000,  
0.0000

■ 53.7708, 61.0680,  
81.6263

■ 53.7708, 61.0680,  
81.6263

■ 47.8769, 55.8922,  
80.9389

■ 60.5671, 66.7913,  
82.3738

■ 42.8358, 51.2328,  
80.3053

■ 68.3015, 73.0767,  
83.1794

■ 38.6010, 47.0666,  
79.7243

■ 77.0143, 79.9472,  
84.0463

■ 35.1193, 43.3654,  
79.1934

■ 84.9522, 86.5000,  
84.8927

■ 32.3309, 40.0974,  
78.7096

■ 86.6653, 89.9260,  
85.4637

■ 30.1659, 37.2256,  
78.2694

■ 88.4343, 93.4642,  
86.0534

■ 28.5387, 34.7051,  
77.8686

■ 90.2599, 97.1153,  
86.6620

■ 27.9240, 33.6634,  
77.7000

■ 90.8653, 98.3261,  
86.8638

# Harmonies

## Analogous

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



52.0070, 61.0680, 72.6182



53.7708, 61.0680, 81.6263



56.7224, 61.0680, 86.7564

# Triad

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



53.7708, 61.0680, 81.6263



64.7440, 61.0680, 70.3781



55.9916, 61.0680, 50.1311

# Complementary

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



53.7708, 61.0680, 81.6263



55.9812, 53.4769, 44.9091

# 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.



59.3846, 61.0680, 49.6588



53.7708, 61.0680, 81.6263



64.5294, 61.0680, 60.7217

# Square

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



53.7708, 61.0680, 81.6263



63.1115, 61.0680, 79.8480



62.5363, 61.0680, 53.3557



53.2540, 61.0680, 54.7163



# Rectangle

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



53.7708, 61.0680, 81.6263



59.0066, 61.0680, 86.9815



62.5363, 61.0680, 53.3557



57.0905, 61.0680, 49.5039

# Sweetspot

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



53.7726, 61.0705, 81.6277



86.2792, 93.0145, 108.0139



52.4319, 66.8141, 55.2074



18.1340, 19.6395, 23.0850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

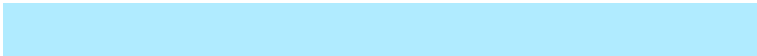


# Same Dimension

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



53.7726, 61.0705, 81.6277



65.5255, 75.6088, 105.7481



47.2655, 48.0561, 79.4586



14.4755, 15.6724, 18.4065



16.3841, 19.8303, 45.3473



1.2847, 1.6133, 3.3757



# Inverse Universe

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



57.7517, 49.4618, 68.7933



71.6873, 58.2638, 85.7314



62.5098, 66.5340, 47.0853



14.8276, 14.5482, 17.2925



22.6634, 11.1996, 22.9204

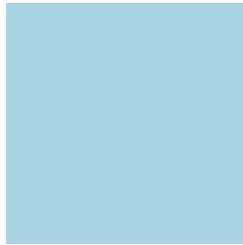


1.7121, 0.8425, 1.8903



# Previews

## White Background



This preview shows how the XYZ color 53.7708, 61.0680, 81.6263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

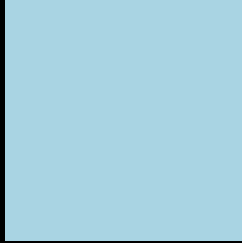
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7708, 61.0680, 81.6263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

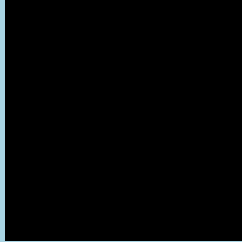
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7708, 61.0680, 81.6263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7708, 61.0680, 81.6263.



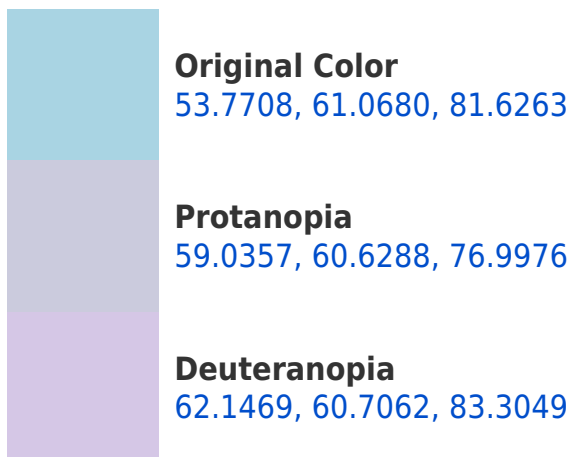
This preview shows how white text looks on a background with the XYZ color 53.7708, 61.0680,



# 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

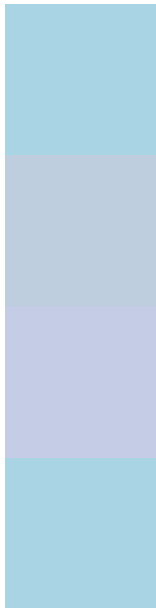




## Tritanopia

54.0485, 61.1791, 83.0888

# Trichromacy



## Original Color

53.7708, 61.0680, 81.6263

## Protanomaly

56.8764, 60.5467, 78.5010

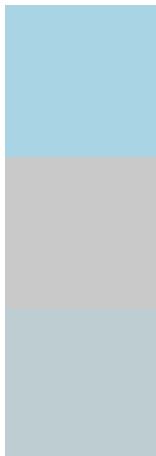
## Deuteranomaly

58.7617, 60.7132, 82.7505

## Tritanomaly

53.9093, 61.1234, 82.3555

# Monochromacy



## Original Color

53.7708, 61.0680, 81.6263

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

54.4504, 59.1346, 69.5170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7708, 61.0680, 81.6263 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(169, 212, 227)` looks like.

```
.text, #text, p{  
    color:rgb(169, 212, 227)  
}
```

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(169, 212, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 212, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7708, 61.0680, 81.6263 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(169, 212, 227) }
```



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

```
.border{ border-color:rgb(169, 212, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 212, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 212, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 212, 227);  
box-shadow:4px 4px 4px 4px rgb(169, 212,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7708, 61.0680, 81.6263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 212, 227) }
```

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

```
.background{ background-color: rgb(169,  
212, 227) }
```

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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