

# Converting Colors

XYZ(43.7957, 52.9065, 62.2260)

Have a look what the booklet for  
XYZ(43.7957, 52.9065, 62.2260)  
contains.

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# Color

**XYZ(43.8775, 53.1313,  
61.9756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94CBC7
RGB	148, 203, 199
RGB Percent	58%, 80%, 78%
CMY	0.4196, 0.2039, 0.2196
CMYK	0.27, 0.00, 0.02, 0.20
HSL	176°, 35%, 69%
HSV	176°, 27%, 80%
XYZ	43.8775, 53.1313, 61.9756
YIQ	186.0990, -31.4960, -12.9040

# Conversions

## Conversions Part 2

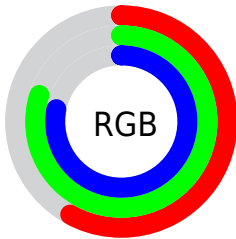
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 177, 203
Decimal	9751495
CIELab	77.95, -18.54, -3.76
CIELCh	78, 18.915, 191.471
Yxy	53.1313, 0.2760, 0.3342
Android (android.graphics.Color)	4287941575 (0xFF94CBC7)
YUV	186.0990, 6.3602, -33.4128
Hunter-Lab	72.8912, -20.1100, 0.6127

# Details

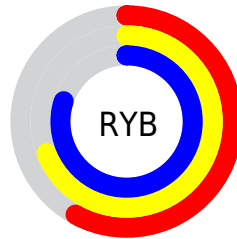
The XYZ color **43.8775, 53.1313, 61.9756** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8879, 36.1448, 34.5296**, and the grayscale version is **46.7070, 49.1394, 53.5128**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **20.5776, 25.9721, 30.7166** is the 20% darker color. If you saturate the color by 10%, you get **40.3524, 51.3351, 60.9206**, and if you desaturate by 10%, it is **48.0513, 55.2644, 63.0719**.

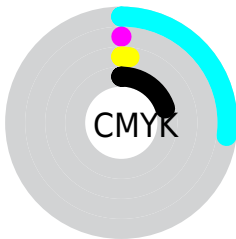
# Distribution



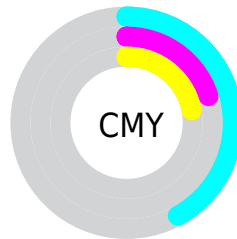
- Red (58%)
- Green (80%)
- Blue (78%)



- Red (58%)
- Yellow (69%)
- Blue (80%)



- Cyan (27%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (42%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8775, 53.1313, 61.9756 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 43.8775, 53.1313, 61.9756 by changing the saturation by 10% instead.





 43.8775, 53.1313,  
61.9756


 43.8775, 53.1313,  
61.9756


353.0688,  
398.7887, 449.8473

 30.7717, 37.9076,  
44.5773


 80.2809, 94.7975,  
109.2615

 20.5760, 25.9110,  
30.7841


 104.3092,  
122.0089, 139.9862

 12.9252, 16.7571,  
20.1774


132.7090,  
153.9849, 175.9902

 7.4537, 10.0614,  
12.3387

165.8457,  
191.1099, 217.6919

 3.7962, 5.4397,  
6.8495

204.0847,  
233.7684, 265.5099

 1.5875, 2.5075,  
3.2911

247.7913,

 0.3843, 0.8804,

282.3448, 319.8628

1.2451

297.3309,  
337.2234, 381.1691

■ 0.0000, 0.0000,  
0.0162

■ 0.0000, 0.0000,  
0.0000

■ 43.8775, 53.1313,  
61.9756

■ 43.8775, 53.1313,  
61.9756

■ 40.3524, 51.3351,  
60.9206

■ 48.0513, 55.2644,  
63.0719

■ 37.4378, 49.8521,  
59.9018

■ 52.9003, 57.7441,  
64.2074

■ 35.0985, 48.6655,  
58.9185

■ 58.4553, 60.5875,  
65.3846

■ 33.2939, 47.7544,  
57.9688

■ 64.7438, 63.8088,  
66.6050

■ 31.9781, 47.0950,  
57.0507

■ 71.7916, 67.4214,  
67.8696

■ 31.0973, 46.6597,  
56.1614

■ 73.9654, 68.5212,  
68.9150

■ 30.5792, 46.4112,  
55.2977

■ 74.1479, 68.5942,  
69.8761

■ 30.4589, 46.3545,  
55.0497

■ 74.3321, 68.6678,  
70.8460

■ 74.5180, 68.7422,  
71.8250

# Harmonies

## Analogous

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



44.0831, 53.1313, 51.6470



43.8775, 53.1313, 61.9756



45.3810, 53.1313, 72.3363

# Triad

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



43.8775, 53.1313, 61.9756



55.3323, 53.1313, 74.4030



52.7819, 53.1313, 40.6848

# Complementary

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



43.8775, 53.1313, 61.9756



40.8879, 36.1448, 34.5296

# 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.



55.9895, 53.1313, 45.4413



43.8775, 53.1313, 61.9756



57.5106, 53.1313, 64.5329

# Square

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



43.8775, 53.1313, 61.9756



51.9201, 53.1313, 80.0712



57.7568, 53.1313, 53.9135



49.1055, 53.1313, 40.1763



# Rectangle

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



43.8775, 53.1313, 61.9756



47.1950, 53.1313, 77.5449



57.7568, 53.1313, 53.9135



53.9552, 53.1313, 41.8102

# Sweetspot

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



43.8790, 53.1335, 61.9768



87.7009, 96.2389, 107.3133



39.7612, 51.5840, 35.8791



18.4944, 20.4573, 22.9067



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.



43.8790, 53.1335, 61.9768



69.6015, 86.9929, 102.6444



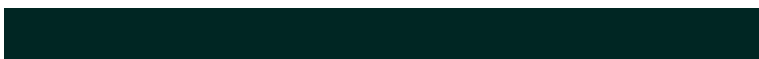
39.3319, 43.2857, 62.7843



11.5067, 12.7124, 14.2255



19.3976, 29.5043, 35.1084



1.0115, 1.5264, 1.8680



# Inverse Universe

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



40.8879, 36.1448, 34.5296



63.7078, 53.5025, 48.5505



44.5229, 43.9308, 34.1509



11.2449, 11.2267, 11.8242



15.7403, 8.1067, 1.0850



0.8238, 0.4229, 0.1181



# Previews

## White Background



This preview shows how the XYZ color 43.8775, 53.1313, 61.9756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

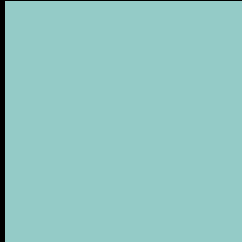
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8775, 53.1313, 61.9756 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

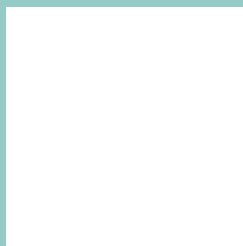
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.8775, 53.1313, 61.9756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8775, 53.1313, 61.9756.



This preview shows how white text looks on a background with the XYZ color 43.8775, 53.1313,

61.9756.

# 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

43.8775, 53.1313, 61.9756

### Protanopia

50.6509, 52.6695, 57.3658

### Deuteranopia

53.6732, 52.5039, 63.1825



## **Tritanopia**

45.9978, 52.9418, 72.7602

# Trichromacy



## Original Color

43.8775, 53.1313, 61.9756

## Protanomaly

47.7255, 52.4353, 59.2354

## Deuteranomaly

49.3998, 52.2306, 62.7362

## Tritanomaly

45.2820, 53.0057, 68.8173

# Monochromacy



## Original Color

43.8775, 53.1313, 61.9756

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

45.2669, 50.2315, 56.6000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8775, 53.1313, 61.9756 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(148, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(148, 203, 199)  
}
```

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(148, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 203, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8775, 53.1313, 61.9756 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(148, 203, 199) }
```



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

```
.border{ border-color:rgb(148, 203, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 203, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(148, 203,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8775, 53.1313, 61.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 203, 199) }
```

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

```
.background{ background-color: rgb(148,  
203, 199) }
```

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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