

# Converting Colors

XYZ(43.3081, 51.1498, 61.5623)

Have a look what the booklet for  
XYZ(43.3081, 51.1498, 61.5623)  
contains.

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# **Color**

**XYZ(43.2654, 51.0910,  
61.6141)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	97C6C7
RGB	151, 198, 199
RGB Percent	59%, 78%, 78%
CMY	0.4078, 0.2235, 0.2196
CMYK	0.24, 0.01, 0.00, 0.22
HSL	181°, 30%, 69%
HSV	181°, 24%, 78%
XYZ	43.2654, 51.0910, 61.6141
YIQ	184.0610, -28.3330, -9.6530

# Conversions

## Conversions Part 2

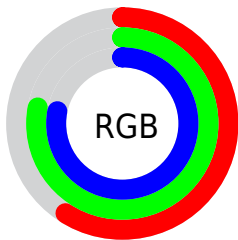
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 175, 199
Decimal	9946823
CIELab	76.73, -15.09, -5.54
CIELCh	77, 16.076, 200.157
Yxy	51.0910, 0.2774, 0.3276
Android (android.graphics.Color)	4288136903 (0xFF97C6C7)
YUV	184.0610, 7.3649, -28.9945
Hunter-Lab	71.4780, -17.0409, -1.0735

# Details

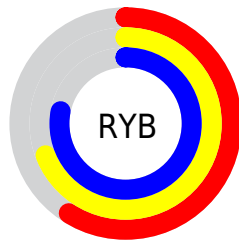
The XYZ color **43.2654, 51.0910, 61.6141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3679, 36.8332, 34.2611**, and the grayscale version is **45.5667, 47.9397, 52.2063**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **20.2297, 24.6435, 30.4785** is the 20% darker color. If you saturate the color by 10%, you get **39.7855, 49.1582, 61.4253**, and if you desaturate by 10%, it is **47.3720, 53.3499, 61.8345**.

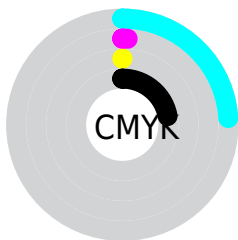
# Distribution



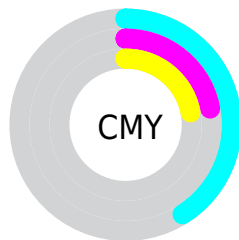
- Red (59%)
- Green (78%)
- Blue (78%)



- Red (59%)
- Yellow (69%)
- Blue (78%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)




- Cyan (41%)
- Magenta (22%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2654, 51.0910, 61.6141 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 43.2654, 51.0910, 61.6141 by changing the saturation by 10% instead.




 43.2654, 51.0910,  
61.6141


 43.2654, 51.0910,  
61.6141


350.6051,  
390.9172, 448.4908

 30.2888, 36.2810,  
44.2872


 79.3644, 91.7893,  
108.7338

 20.2071, 24.6513,  
30.5575


 103.2176,  
118.4464, 139.3636

 12.6548, 15.8175,  
20.0065


131.4270,  
149.8213, 175.2649

 7.2666, 9.3951,  
12.2156

164.3580,  
186.2985, 216.8560

 3.6772, 4.9998,  
6.7664

202.3760,  
228.2622, 264.5557

 1.5212, 2.2471,  
3.2402

245.8462,

 0.3402, 0.7455,

276.0970, 318.7823

1.2186

295.1342,  
330.1872, 379.9545

■ 0.0000, 0.0000,  
0.0000

■ 43.2654, 51.0910,  
61.6141

■ 43.2654, 51.0910,  
61.6141

■ 39.7855, 49.1582,  
61.4253

■ 47.3720, 53.3499,  
61.8345

■ 36.8964, 47.5290,  
61.2631

■ 52.1298, 55.9435,  
62.0844

■ 34.5657, 46.1881,  
61.1271

■ 57.5676, 58.8881,  
62.3661

■ 32.7559, 45.1162,  
61.0156

■ 63.7112, 62.1969,  
62.6810

■ 31.4251, 44.2915,  
60.9266

■ 70.5848, 65.8825,  
63.0301

■ 30.5247, 43.6890,  
60.8577

■ 72.3159, 66.9174,  
63.1386

■ 29.9959, 43.2786,  
60.8064

■ 72.4121, 67.1098,  
63.1707

■ 29.7940, 43.0936,  
60.7813

■ 72.5086, 67.3028,  
63.2028

■ 72.6053, 67.4963,  
63.2351

# Harmonies

## Analogous

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



43.0135, 51.0910, 52.8099



43.2654, 51.0910, 61.6141



44.9026, 51.0910, 69.5329

# Triad

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



43.2654, 51.0910, 61.6141



53.1993, 51.0910, 67.0873



49.5690, 51.0910, 40.6806

# Complementary

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



43.2654, 51.0910, 61.6141



40.3679, 36.8332, 34.2611

# 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.



52.4118, 51.0910, 43.7150



43.2654, 51.0910, 61.6141



54.5649, 51.0910, 58.5475

# Square

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



43.2654, 51.0910, 61.6141



50.6075, 51.0910, 72.9148



54.2708, 51.0910, 50.0454



46.5694, 51.0910, 41.3175



# Rectangle

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



43.2654, 51.0910, 61.6141



46.5987, 51.0910, 72.9524



54.2708, 51.0910, 50.0454



50.5765, 51.0910, 41.2918

# Sweetspot

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



43.2669, 51.0931, 61.6153



88.6669, 96.5339, 108.5674



38.8380, 49.6876, 37.1647



18.8666, 20.6013, 23.2320



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.



43.2669, 51.0931, 61.6153



72.3894, 87.5931, 107.6996



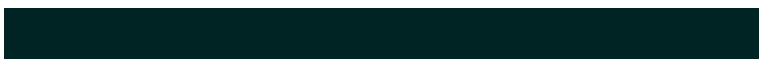
38.2470, 41.0533, 59.9420



10.9271, 12.0283, 13.6633



19.1664, 27.7267, 39.0860



0.9137, 1.3251, 1.8528



# Inverse Universe

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



44.8141, 38.3537, 58.4695



75.5775, 61.4495, 101.1933



44.6262, 45.3498, 35.6805



11.0732, 10.8127, 13.3689



21.4736, 10.3390, 34.0336

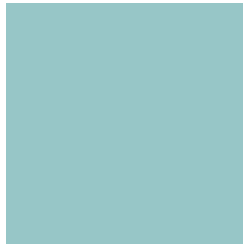


1.0199, 0.4908, 1.6278



# Previews

## White Background



This preview shows how the XYZ color 43.2654, 51.0910, 61.6141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

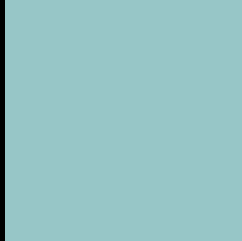
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2654, 51.0910, 61.6141 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 43.2654, 51.0910, 61.6141

## Background



This preview shows how black text looks on a background with the XYZ color 43.2654, 51.0910, 61.6141.



This preview shows how white text looks on a background with the XYZ color 43.2654, 51.0910,



# 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

43.2654, 51.0910, 61.6141

### Protanopia

49.0947, 50.8931, 57.6879

### Deuteranopia

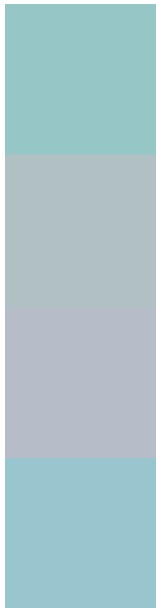
51.6816, 50.5487, 62.9101



## **Tritanopia**

44.9500, 51.1033, 69.7822

# Trichromacy



**Original Color**

43.2654, 51.0910, 61.6141

**Protanomaly**

46.6045, 50.8695, 58.9922

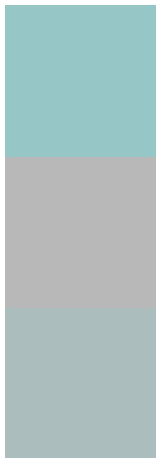
**Deuteranomaly**

48.0543, 50.2508, 62.4250

**Tritanomaly**

44.3656, 51.2098, 66.5776

# Monochromacy



**Original Color**

43.2654, 51.0910, 61.6141

**Achromatopsia**

45.5594, 47.9320, 52.1980

**Achromatomaly**

44.3962, 48.8400, 55.2312

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2654, 51.0910, 61.6141 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(151, 198, 199)` looks like.

```
.text, #text, p{  
    color:rgb(151, 198, 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(151, 198, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 198, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2654, 51.0910, 61.6141 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(151, 198, 199) }
```



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

```
.border{ border-color:rgb(151, 198, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 198, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 198, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 198, 199);  
box-shadow:4px 4px 4px 4px rgb(151, 198,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2654, 51.0910, 61.6141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 198, 199) }
```

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

```
.background{ background-color: rgb(151,  
198, 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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