

# Converting Colors

XYZ(43.7802, 51.5126, 61.4102)

Have a look what the booklet for  
XYZ(43.7802, 51.5126, 61.4102)  
contains.

<b>XYZ(43.6398, 51.2840, 61.6316)</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(43.6398, 51.2840,  
61.6316)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99C6C7
RGB	153, 198, 199
RGB Percent	60%, 78%, 78%
CMY	0.4000, 0.2235, 0.2196
CMYK	0.23, 0.01, 0.00, 0.22
HSL	181°, 29%, 69%
HSV	181°, 23%, 78%
XYZ	43.6398, 51.2840, 61.6316
YIQ	184.6590, -27.1410, -9.2290

# Conversions

## Conversions Part 2

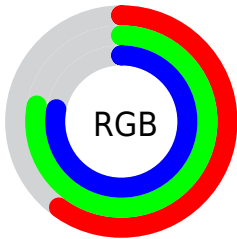
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 176, 199
Decimal	10077895
CIELab	76.85, -14.49, -5.35
CIELCh	77, 15.445, 200.283
Yxy	51.2840, 0.2787, 0.3276
Android (android.graphics.Color)	4288267975 (0xFF99C6C7)
YUV	184.6590, 7.0701, -27.7649
Hunter-Lab	71.6128, -16.5473, -0.8973

# Details

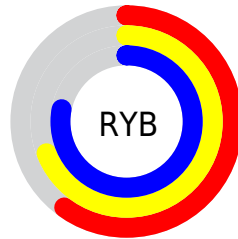
The XYZ color **43.6398, 51.2840, 61.6316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8592, 37.5535, 35.2332**, and the grayscale version is **45.8987, 48.2890, 52.5867**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **20.4509, 24.7576, 30.4889** is the 20% darker color. If you saturate the color by 10%, you get **40.0945, 49.3114, 61.4385**, and if you desaturate by 10%, it is **47.8148, 53.5843, 61.8564**.

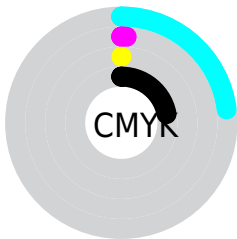
# Distribution



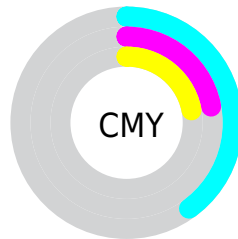
- Red (60%)
- Green (78%)
- Blue (78%)



- Red (60%)
- Yellow (69%)
- Blue (78%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)




- Cyan (40%)
- Magenta (22%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6398, 51.2840, 61.6316 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 43.6398, 51.2840, 61.6316 by changing the saturation by 10% instead.





 43.6398, 51.2840,  
61.6316


 43.6398, 51.2840,  
61.6316


352.1135,  
391.6662, 448.5565

 30.5841, 36.4347,  
44.3012


 79.9252, 92.0744,  
108.7593

 20.4326, 24.7701,  
30.5685


 103.8856,  
118.7843, 139.3938

 12.8200, 15.9058,  
20.0148


132.2116,  
150.2166, 175.3000

 7.3809, 9.4576,  
12.2216

165.2686,  
186.7555, 216.8965

 3.7499, 5.0408,  
6.7704

203.4219,  
228.7855, 264.6019

 1.5616, 2.2712,  
3.2427

247.0369,

 0.3672, 0.7584,

276.6910, 318.8347

1.2198

296.4790,  
330.8565, 380.0134

■ 0.0000, 0.0000,  
0.0000

■ 43.6398, 51.2840,  
61.6316

■ 43.6398, 51.2840,  
61.6316

■ 40.0945, 49.3114,  
61.4385

■ 47.8148, 53.5843,  
61.8564

■ 37.1433, 47.6442,  
61.2723

■ 52.6439, 56.2208,  
62.1108

■ 34.7541, 46.2671,  
61.1324

■ 58.1557, 59.2097,  
62.3972

■ 32.8898, 45.1610,  
61.0172

■ 64.3756, 62.5642,  
62.7168

■ 31.5089, 44.3046,  
60.9247

■ 71.3281, 66.2966,  
63.0708

■ 30.5637, 43.6732,  
60.8526

■ 72.3409, 66.9675,  
63.1469

■ 29.9968, 43.2372,  
60.7983

■ 72.4414, 67.1684,  
63.1804

■ 29.7538, 43.0132,  
60.7679

■ 72.5422, 67.3700,  
63.2140

■ 72.6432, 67.5721,  
63.2477

# Harmonies

## Analogous

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



43.3904, 51.2840, 53.1558



43.6398, 51.2840, 61.6316



45.2260, 51.2840, 69.2169

# Triad

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



43.6398, 51.2840, 61.6316



53.2149, 51.2840, 66.8169



49.7027, 51.2840, 41.3763

# Complementary

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



43.6398, 51.2840, 61.6316



40.8592, 37.5535, 35.2332

# 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.



52.4397, 51.2840, 44.3074



43.6398, 51.2840, 61.6316



54.5205, 51.2840, 58.6122

# Square

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



43.6398, 51.2840, 61.6316



50.7264, 51.2840, 72.4128



54.2312, 51.2840, 50.4223



46.8137, 51.2840, 42.0102



# Rectangle

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



43.6398, 51.2840, 61.6316



46.8646, 51.2840, 72.4776



54.2312, 51.2840, 50.4223



50.6728, 51.2840, 41.9651

# Sweetspot

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



43.6413, 51.2861, 61.6328



88.6618, 96.5236, 108.5657



39.3746, 49.9455, 38.0363



18.8654, 20.5990, 23.2316



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.



43.6413, 51.2861, 61.6328



72.9895, 87.8971, 107.7266



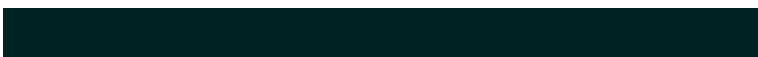
38.8221, 41.6478, 60.0264



10.9262, 12.0266, 13.6630



19.1409, 27.6757, 39.0775



0.9127, 1.3233, 1.8525



# Inverse Universe

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



45.1387, 39.0030, 58.5777



76.0992, 62.4957, 101.3582



44.9800, 45.7953, 36.6068



11.0728, 10.8125, 13.3666



21.4608, 10.3339, 33.9659

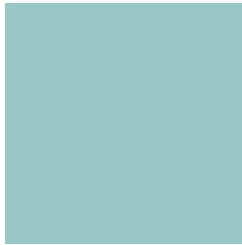


1.0194, 0.4906, 1.6253



# Previews

## White Background



This preview shows how the XYZ color 43.6398, 51.2840, 61.6316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

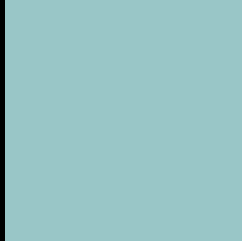
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6398, 51.2840, 61.6316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

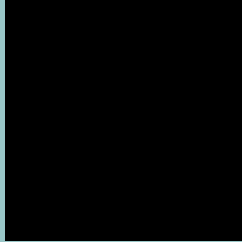
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6398, 51.2840, 61.6316**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6398, 51.2840, 61.6316.



This preview shows how white text looks on a background with the XYZ color 43.6398, 51.2840,



# 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

43.6398, 51.2840, 61.6316

### Protanopia

49.0947, 50.8931, 57.6879

### Deuteranopia

52.1583, 51.1018, 62.9917



## Tritanopia

45.3339, 51.3012, 69.8001

# Trichromacy



## Original Color

43.6398, 51.2840, 61.6316

## Protanomaly

46.8314, 50.9865, 59.0029

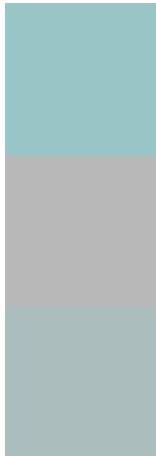
## Deuteranomaly

48.5074, 50.8026, 62.5076

## Tritanomaly

44.7463, 51.4061, 66.5955

# Monochromacy



## Original Color

43.6398, 51.2840, 61.6316

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.9413, 49.4289, 55.8873

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6398, 51.2840, 61.6316 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(153, 198, 199)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 198, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 198, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6398, 51.2840, 61.6316 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(153, 198, 199) }
```



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

```
.border{ border-color:rgb(153, 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(153, 198, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 198, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 198, 199);  
box-shadow:4px 4px 4px 4px rgb(153, 198,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6398, 51.2840, 61.6316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 198, 199) }
```

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

```
.background{ background-color: rgb(153,  
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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