

Converting Colors

XYZ(40.3155, 49.6762, 58.9362)

Have a look what the booklet for
XYZ(40.3155, 49.6762, 58.9362)
contains.

XYZ(40.3609, 49.6467, 59.0853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.3609, 49.6467,
59.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	89C6C3
RGB	137, 198, 195
RGB Percent	54%, 78%, 76%
CMY	0.4627, 0.2235, 0.2353
CMYK	0.31, 0.00, 0.02, 0.22
HSL	177°, 35%, 66%
HSV	177°, 31%, 78%
XYZ	40.3609, 49.6467, 59.0853
YIQ	179.4190, -35.3930, -13.8650

Conversions

Conversions Part 2

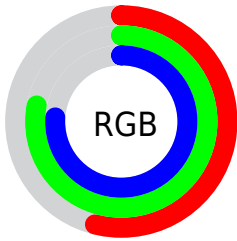
Format	Color
RYB	137, 168, 198
Decimal	9029315
CIELab	75.85, -20.10, -4.77
CIELCh	76, 20.653, 193.341
Yxy	49.6467, 0.2707, 0.3330
Android (android.graphics.Color)	4287219395 (0xFF89C6C3)
YUV	179.4190, 7.6814, -37.2015
Hunter-Lab	70.4604, -21.0579, -0.3959

Details

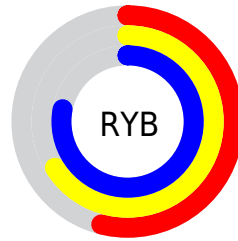
The XYZ color **40.3609, 49.6467, 59.0853** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9697, 31.7918, 29.0007**, and the grayscale version is **43.0462, 45.2880, 49.3186**.

A 20% lighter version of the original color is **75.0689, 89.7547, 105.4633**, and **18.4371, 23.7544, 28.8126** is the 20% darker color. If you saturate the color by 10%, you get **37.2989, 48.0821, 58.3697**, and if you desaturate by 10%, it is **44.0222, 51.5226, 59.8349**.

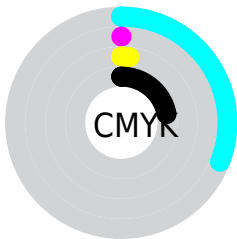
Distribution



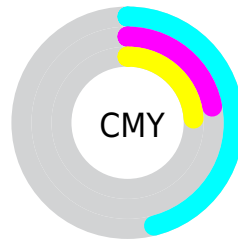
- Red (54%)
- Green (78%)
- Blue (76%)



- Red (54%)
- Yellow (66%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3609, 49.6467, 59.0853 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 40.3609, 49.6467, 59.0853 by changing the saturation by 10% instead.

 40.3609, 49.6467,
59.0853

 40.3609, 49.6467,
59.0853


338.7508,
385.2827, 438.9286


 28.0055, 35.1328,
42.2613


 74.9936, 89.6512,
105.0320

 18.4703, 23.7652,
28.9789


 98.0017, 115.9105,
134.9917

 11.3899, 15.1595,
18.8194


 125.2913,
146.8538, 170.1672

 6.3989, 8.9314,
11.3644

157.2279,
182.8654, 210.9769

 3.1321, 4.6965,
6.1952

194.1767,
224.3296, 257.8393

 1.2240, 2.0703,
2.8934

236.5033,

 0.1252, 0.6478,

271.6310, 311.1731

1.0405

284.5728,
325.1539, 371.3967

■ 0.0000, 0.0000,
0.0000

■ 40.3609, 49.6467,
59.0853

■ 40.3609, 49.6467,
59.0853

■ 37.2989, 48.0821,
58.3697

■ 44.0222, 51.5226,
59.8349

■ 34.7991, 46.8060,
57.6830

■ 48.3085, 53.7195,
60.6164

■ 32.8273, 45.8021,
57.0248


■ 53.2494, 56.2536,
61.4323


■ 31.3437, 45.0497,
56.3932


■ 58.8713, 59.1388,
62.2839


■ 30.3026, 44.5254,
55.7861


■ 65.1991, 62.3878,
63.1722


 29.6502, 44.2013,
55.2008

 71.9598, 65.8599,
64.0847

 29.2999, 44.0319,
54.6778

 72.0747, 65.9059,
64.6899

 72.1904, 65.9521,
65.2989

 72.3068, 65.9987,
65.9118

Harmonies

Analogous

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



40.4607, 49.6467, 48.2179



40.3609, 49.6467, 59.0853



42.0182, 49.6467, 69.9103

Triad

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



40.3609, 49.6467, 59.0853



52.4397, 49.6467, 70.9430



49.3365, 49.6467, 36.2214

Complementary

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



40.3609, 49.6467, 59.0853



36.9697, 31.7918, 29.0007

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.



52.7647, 49.6467, 40.8018



40.3609, 49.6467, 59.0853



54.6218, 49.6467, 60.3491

Square

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



40.3609, 49.6467, 59.0853



48.9123, 49.6467, 77.3568



54.7439, 49.6467, 49.3220



45.5041, 49.6467, 35.9793

Rectangle

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



40.3609, 49.6467, 59.0853



43.9513, 49.6467, 75.2460



54.7439, 49.6467, 49.3220



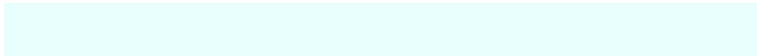
50.5792, 49.6467, 37.2733

Sweetspot

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



40.3623, 49.6487, 59.0864



86.9236, 95.8316, 107.5732



35.5345, 47.7761, 31.0166



18.3438, 20.3779, 22.9802



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.



40.3623, 49.6487, 59.0864



67.6987, 85.9852, 103.7643



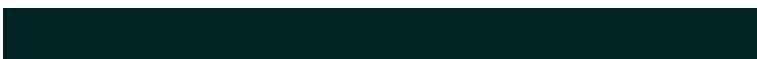
34.9890, 38.3532, 58.9872



10.9233, 12.0582, 13.5462



19.0632, 28.6377, 35.6070



0.9097, 1.3588, 1.7234

Inverse Universe

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



36.9697, 31.7918, 29.0007



60.7421, 49.3549, 42.0627



41.1619, 40.5258, 29.3205



10.6547, 10.6453, 11.1648



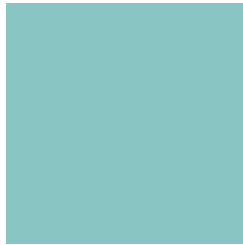
15.1893, 7.8253, 0.9405



0.7268, 0.3735, 0.0843

Previews

White Background



This preview shows how the XYZ color 40.3609, 49.6467, 59.0853 looks on a white background.

Color Contrast Check

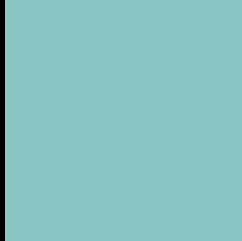
Large Text (above 18pt) WCAG AA × Fail

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 40.3609, 49.6467, 59.0853 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 40.3609, 49.6467, 59.0853

Background



This preview shows how black text looks on a background with the XYZ color 40.3609, 49.6467, 59.0853.

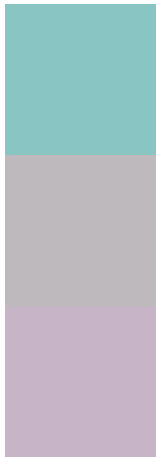


This preview shows how white text looks on a background with the XYZ color 40.3609, 49.6467,

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

40.3609, 49.6467, 59.0853

Protanopia

47.4123, 49.1476, 54.5645

Deuteranopia

50.3859, 49.3134, 60.8956



Tritanopia

42.4823, 49.8457, 69.0101

Trichromacy



Original Color

40.3609, 49.6467, 59.0853

Protanomaly

44.3950, 49.1345, 56.4343

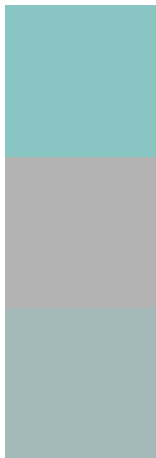
Deuteranomaly

45.8679, 48.8480, 60.4372

Tritanomaly

41.8009, 49.9157, 65.1892

Monochromacy



Original Color

40.3609, 49.6467, 59.0853

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.6257, 46.5131, 52.6830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3609, 49.6467, 59.0853 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(137, 198, 195)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 195)  
}
```

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(137, 198, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 195) }
```

Border

The CSS property to change the border of an element to XYZ 40.3609, 49.6467, 59.0853 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(137, 198, 195) }
```


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

```
.border{ border-color:rgb(137, 198, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 198, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 198, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 198, 195);  
box-shadow:4px 4px 4px 4px rgb(137, 198,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3609, 49.6467, 59.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 195) }
```

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

```
.background{ background-color: rgb(137,  
198, 195) }
```

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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