

Converting Colors

XYZ(40.7184, 49.8563, 61.1057)

Have a look what the booklet for
XYZ(40.7184, 49.8563, 61.1057)
contains.

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Color

**XYZ(40.7037, 49.7837,
60.8900)**

Conversions

Conversions Part 1

Format	Color
Hex	89C6C6
RGB	137, 198, 198
RGB Percent	54%, 78%, 78%
CMY	0.4627, 0.2235, 0.2235
CMYK	0.31, 0.00, 0.00, 0.22
HSL	180°, 35%, 66%
HSV	180°, 31%, 78%
XYZ	40.7037, 49.7837, 60.8900
YIQ	179.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

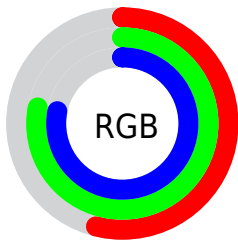
Format	Color
RYB	137, 168, 198
Decimal	9029318
CIELab	75.94, -19.40, -6.26
CIElCh	76, 20.385, 197.897
Yxy	49.7837, 0.2689, 0.3289
Android (android.graphics.Color)	4287219398 (0xFF89C6C6)
YUV	179.7610, 8.9918, -37.5014
Hunter-Lab	70.5576, -20.5015, -1.7760

Details

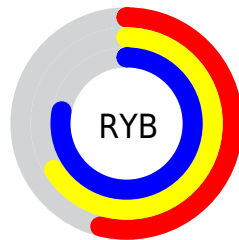
The XYZ color **40.7037, 49.7837, 60.8900** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7515, 31.7048, 27.8516**, and the grayscale version is **43.2228, 45.4737, 49.5209**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **18.6635, 23.8450, 30.0044** is the 20% darker color. If you saturate the color by 10%, you get **37.7514, 48.2630, 60.7525**, and if you desaturate by 10%, it is **44.2545, 51.6154, 61.0577**.

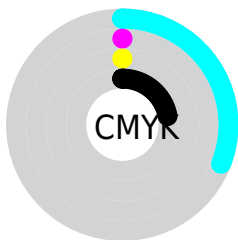
Distribution



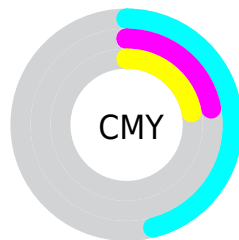
- Red (54%)
- Green (78%)
- Blue (78%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7037, 49.7837, 60.8900 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 40.7037, 49.7837, 60.8900 by changing the saturation by 10% instead.

■ 40.7037, 49.7837,
60.8900

■ 40.7037, 49.7837,
60.8900

340.1645,
385.8195, 445.7660

■ 28.2743, 35.2416,
43.7064

■ 75.5114, 89.8543,
107.6756

■ 18.6740, 23.8490,
30.1043

■ 98.6205, 116.1516,
138.1148

■ 11.5376, 15.2217,
19.6650

■ 126.0201,
147.1360, 173.8095

■ 6.4996, 8.9751,
11.9701

158.0757,
183.1920, 215.1783

■ 3.1947, 4.7249,
6.6010

195.1526,
224.7040, 262.6399

■ 1.2575, 2.0868,
3.1392

237.6161,

■ 0.1511, 0.6572,

272.0563, 316.6126

1.1662

285.8316,
325.6333, 377.5151

■ 0.0000, 0.0000,
0.0000

■ 40.7037, 49.7837,
60.8900

■ 40.7037, 49.7837,
60.8900

■ 37.7514, 48.2630,
60.7525

■ 44.2545, 51.6154,
61.0577

■ 35.3607, 47.0305,
60.6402

■ 48.4296, 53.7678,
61.2535

■ 33.4972, 46.0699,
60.5526


■ 53.2586, 56.2572,
61.4799

■ 32.1212, 45.3605,
60.4878


■ 58.7678, 59.0973,
61.7381


■ 31.1871, 44.8790,
60.4437


■ 64.9822, 62.3009,
62.0293


 30.6409, 44.5974,
60.4177

 71.6286, 65.7272,
62.3408

 30.3875, 44.4668,
60.4055

 71.6286, 65.7273,
62.3412

 71.6287, 65.7273,
62.3416

 71.6288, 65.7273,
62.3420

Harmonies

Analogous

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



40.5311, 49.7837, 49.9384



40.7037, 49.7837, 60.8900



42.5890, 49.7837, 71.2497

Triad

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



40.7037, 49.7837, 60.8900



52.9451, 49.7837, 69.4710



48.8655, 49.7837, 36.2214

Complementary

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



40.7037, 49.7837, 60.8900



36.7515, 31.7048, 27.8516

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.



52.3846, 49.7837, 40.1232



40.7037, 49.7837, 60.8900



54.8229, 49.7837, 58.7101

Square

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



40.7037, 49.7837, 60.8900



49.5976, 49.7837, 76.6417



54.6124, 49.7837, 48.0299



45.1092, 49.7837, 36.6412

Rectangle

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



40.7037, 49.7837, 60.8900



44.6232, 49.7837, 75.9823



54.6124, 49.7837, 48.0299



50.1190, 49.7837, 37.0470

Sweetspot

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



40.7052, 49.7857, 60.8911



87.1048, 95.9041, 108.5275



35.1950, 47.6010, 31.0011



18.3889, 20.3959, 23.2174



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.



40.7052, 49.7857, 60.8911



68.4370, 86.2805, 107.6518



34.6094, 37.5937, 58.8604



10.9467, 12.0676, 13.6697



19.7610, 28.9168, 39.2817



0.9357, 1.3692, 1.8600

Inverse Universe

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



36.7515, 31.7048, 27.8516



60.3263, 49.1886, 39.8729



41.5301, 41.2622, 29.4437



10.6339, 10.6370, 11.0555



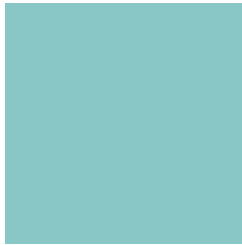
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 40.7037, 49.7837, 60.8900 looks on a white background.

Color Contrast Check

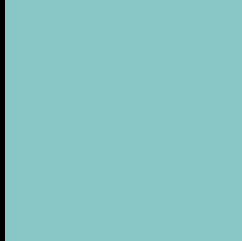
Large Text (above 18pt) WCAG AA × Fail

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 40.7037, 49.7837, 60.8900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

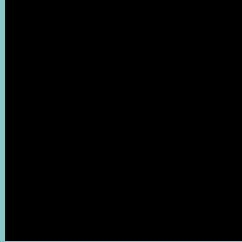
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7037, 49.7837, 60.8900

Background



This preview shows how black text looks on a background with the XYZ color 40.7037, 49.7837, 60.8900.

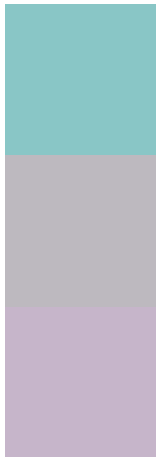


This preview shows how white text looks on a background with the XYZ color 40.7037, 49.7837,

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

40.7037, 49.7837, 60.8900

Protanopia

47.7392, 49.2783, 56.2858

Deuteranopia

50.4732, 49.3178, 62.7362



Tritanopia

42.4388, 49.8088, 69.6646

Trichromacy



Original Color

40.7037, 49.7837, 60.8900

Protanomaly

44.7286, 49.2680, 58.1912

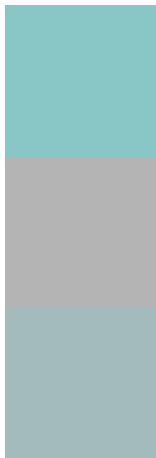
Deuteranomaly

46.2174, 48.9878, 62.2780

Tritanomaly

41.8762, 49.9265, 66.4611

Monochromacy



Original Color

40.7037, 49.7837, 60.8900

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0498, 47.0210, 53.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7037, 49.7837, 60.8900 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, 198)` looks like.

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

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, 198) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 40.7037, 49.7837, 60.8900 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, 198) }
```


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

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

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, 198)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 40.7037, 49.7837, 60.8900 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, 198) }
```

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

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

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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