

Converting Colors

XYZ(49.2757, 57.8203, 68.4413)

Have a look what the booklet for
XYZ(49.2757, 57.8203, 68.4413)
contains.

XYZ(49.2899, 57.9415, 68.2605)	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(49.2899, 57.9415,
68.2605)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D1D0
RGB	163, 209, 208
RGB Percent	64%, 82%, 82%
CMY	0.3608, 0.1804, 0.1843
CMYK	0.22, 0.00, 0.00, 0.18
HSL	179°, 33%, 73%
HSV	179°, 22%, 82%
XYZ	49.2899, 57.9415, 68.2605
YIQ	195.1320, -27.0950, -10.0630

Conversions

Conversions Part 2

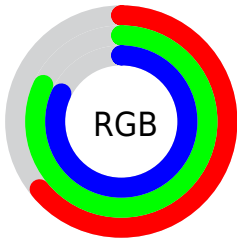
Format	Color
R _{YB}	163, 186, 209
Decimal	10736080
CIE _{Lab}	80.71, -15.13, -4.44
CIE _{LCh}	81, 15.767, 196.345
Yxy	57.9415, 0.2809, 0.3302
Android (android.graphics.Color)	4288926160 (0xFFA3D1D0)
YUV	195.1320, 6.3439, -28.1798
Hunter-Lab	76.1193, -17.6238, 0.1148

Details

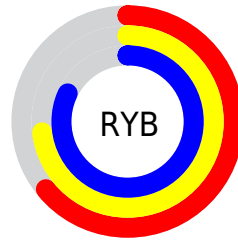
The XYZ color **49.2899, 57.9415, 68.2605** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0946, 42.4317, 40.8851**, and the grayscale version is **51.9267, 54.6309, 59.4931**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **23.8187, 28.7593, 34.8676** is the 20% darker color. If you saturate the color by 10%, you get **45.3037, 55.8945, 67.7830**, and if you desaturate by 10%, it is **53.9869, 60.3579, 68.7746**.

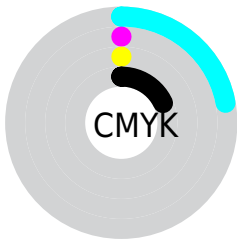
Distribution



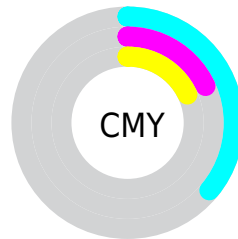
- Red (64%)
- Green (82%)
- Blue (82%)



- Red (64%)
- Yellow (73%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (36%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2899, 57.9415, 68.2605 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 49.2899, 57.9415, 68.2605 by changing the saturation by 10% instead.

 49.2899, 57.9415,
68.2605


 49.2899, 57.9415,
68.2605


374.3805,
416.9679, 473.0415

 35.0650, 41.7616,
49.6417


 88.3200, 101.8377,
118.3825

 23.8797, 28.9147,
34.7596


 113.8559,
130.3227, 150.7227

 15.3686, 19.0163,
23.1957

143.8928,
163.6783, 188.4738

 9.1665, 11.6820,
14.5314

178.7962,
202.2888, 232.0543

 4.9079, 6.5276,
8.3482

218.9312,
246.5387, 281.8828

 2.2275, 3.1684,
4.2276

264.6634,

 0.7572, 1.2203,

296.8122, 338.3778

1.7510

316.3581,
353.4938, 401.9579

■ 0.0000, 0.0782,
0.3954

■ 0.0000, 0.0000,
0.0000

■ 49.2899, 57.9415,
68.2605

■ 49.2899, 57.9415,
68.2605

■ 45.3037, 55.8945,
67.7830

■ 53.9869, 60.3579,
68.7746

■ 41.9885, 54.1919,
67.3365

■ 59.4219, 63.1532,
69.3228

■ 39.3083, 52.8166,
66.9206

■ 65.6269, 66.3455,
69.9078

■ 37.2218, 51.7474,
66.5333

■ 72.6306, 69.9495,
70.5312

■ 35.6827, 50.9604,
66.1725

■ 75.7091, 71.5300,
70.9716

■ 34.6380, 50.4282,
65.8356

■ 75.7661, 71.5528,
71.2715

■ 34.0242, 50.1181,
65.5197

■ 75.8232, 71.5756,
71.5722

■ 33.7545, 49.9841,
65.2783

■ 75.8805, 71.5985,
71.8738

■ 75.9379, 71.6215,
72.1763

Harmonies

Analogous

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



49.2194, 57.9415, 58.9569



49.2899, 57.9415, 68.2605



50.8693, 57.9415, 76.9438

Triad

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



49.2899, 57.9415, 68.2605



59.7180, 57.9415, 76.2675



56.5602, 57.9415, 47.2458

Complementary

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



49.2899, 57.9415, 68.2605



46.0946, 42.4317, 40.8851

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.



59.4993, 57.9415, 51.0050



49.2899, 57.9415, 68.2605



61.3703, 57.9415, 67.4086

Square

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



49.2899, 57.9415, 68.2605



56.8492, 57.9415, 81.8684



61.2887, 57.9415, 58.1845



53.3316, 57.9415, 47.4254

Rectangle

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



49.2899, 57.9415, 68.2605



52.6021, 57.9415, 80.9434



61.2887, 57.9415, 58.1845



57.6173, 57.9415, 48.0735

Sweetspot

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



49.2916, 57.9439, 68.2618



88.7226, 96.7453, 108.2773



44.8332, 56.1970, 43.1356



18.8795, 20.6505, 23.1646



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.



49.2916, 57.9439, 68.2618



74.4901, 89.4278, 106.7280



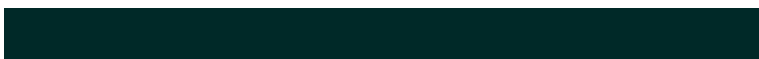
44.4983, 48.1592, 67.2746



12.1468, 13.4025, 15.1294



20.8162, 30.8194, 40.2735



1.1675, 1.7247, 2.2709

Inverse Universe

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



46.0946, 42.4317, 40.8851



68.6833, 61.2503, 57.0008



50.1450, 50.6769, 41.7902



11.8190, 11.8124, 12.3229



16.2325, 8.3658, 0.8646



0.9114, 0.4693, 0.0681

Previews

White Background



This preview shows how the XYZ color 49.2899, 57.9415, 68.2605 looks on a white background.

Color Contrast Check

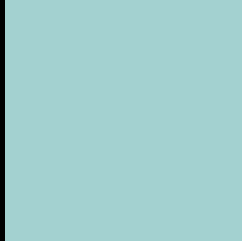
Large Text (above 18pt) WCAG AA × Fail

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 49.2899, 57.9415, 68.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

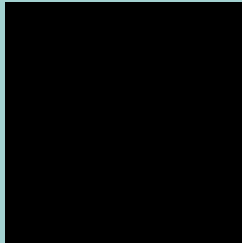
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

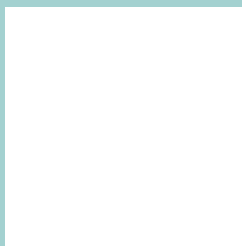
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2899, 57.9415, 68.2605

Background



This preview shows how black text looks on a background with the XYZ color 49.2899, 57.9415, 68.2605.

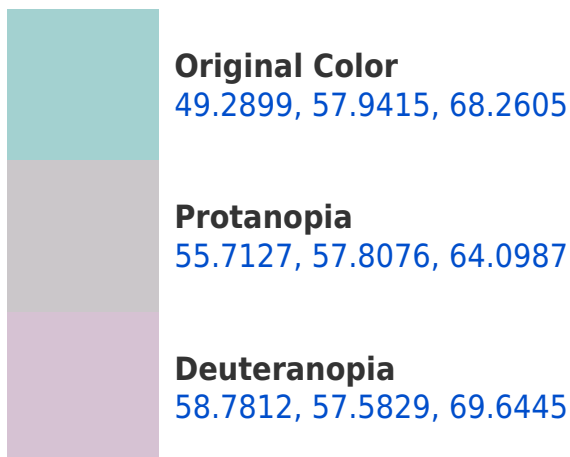


This preview shows how white text looks on a background with the XYZ color 49.2899, 57.9415,

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

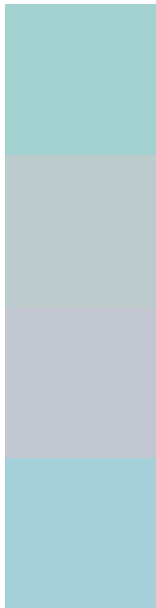




Tritanopia

51.3580, 58.0604, 78.3120

Trichromacy



Original Color

49.2899, 57.9415, 68.2605

Protanomaly

52.9941, 57.7629, 65.4830

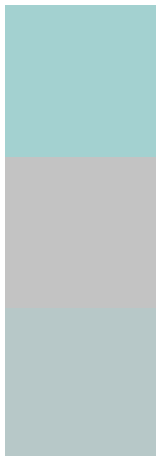
Deuteranomaly

54.5620, 57.1021, 69.1188

Tritanomaly

50.7278, 58.1730, 74.8845

Monochromacy



Original Color

49.2899, 57.9415, 68.2605

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6080, 55.5460, 62.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2899, 57.9415, 68.2605 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(163, 209, 208)` looks like.

```
.text, #text, p{  
    color:rgb(163, 209, 208)  
}
```

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(163, 209, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 209, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.2899, 57.9415, 68.2605 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(163, 209, 208) }
```


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

```
.border{ border-color:rgb(163, 209, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 209, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 209, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 209, 208);  
box-shadow:4px 4px 4px 4px rgb(163, 209,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2899, 57.9415, 68.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 209, 208) }
```

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

```
.background{ background-color: rgb(163,  
209, 208) }
```

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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