

Converting Colors

XYZ(49.3095, 57.1003, 66.6195)

Have a look what the booklet for
XYZ(49.3095, 57.1003, 66.6195)
contains.

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Color

**XYZ(49.3898, 57.2974,
66.8489)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CFCE
RGB	167, 207, 206
RGB Percent	65%, 81%, 81%
CMY	0.3451, 0.1882, 0.1922
CMYK	0.19, 0.00, 0.00, 0.19
HSL	178°, 29%, 73%
HSV	178°, 19%, 81%
XYZ	49.3898, 57.2974, 66.8489
YIQ	194.9260, -23.5190, -8.7910

Conversions

Conversions Part 2

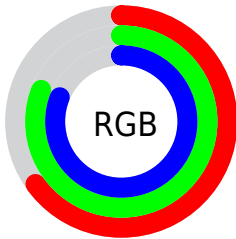
Format	Color
R_{YB}	167, 187, 207
Decimal	10997710
CIE _{Lab}	80.35, -13.31, -3.87
CIE _{LCh}	80, 13.859, 196.211
Yxy	57.2974, 0.2846, 0.3302
Android (android.graphics.Color)	4289187790 (0xFFA7CFCE)
YUV	194.9260, 5.4595, -24.4911
Hunter-Lab	75.6950, -15.9980, 0.6255

Details

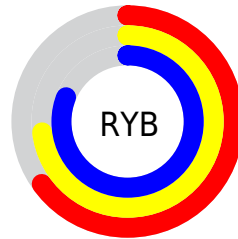
The XYZ color **49.3898, 57.2974, 66.8489** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6208, 43.7317, 43.0322**, and the grayscale version is **51.8076, 54.5057, 59.3567**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **23.9982, 28.6269, 33.9665** is the 20% darker color. If you saturate the color by 10%, you get **45.2995, 55.1975, 66.3301**, and if you desaturate by 10%, it is **54.1837, 59.7629, 67.4041**.

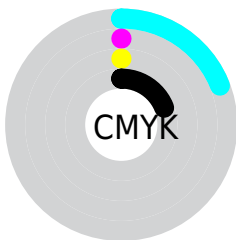
Distribution



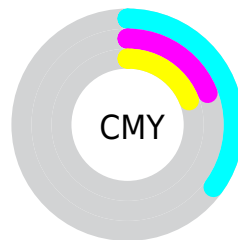
- Red (65%)
- Green (81%)
- Blue (81%)



- Red (65%)
- Yellow (73%)
- Blue (81%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3898, 57.2974, 66.8489 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 49.3898, 57.2974, 66.8489 by changing the saturation by 10% instead.

■ 49.3898, 57.2974,
66.8489

■ 49.3898, 57.2974,
66.8489

374.7664,
414.5628, 467.8936

■ 35.1446, 41.2441,
48.5010

■ 88.4674, 100.8990,
116.3425

■ 23.9413, 28.5098,
33.8610

■ 114.0304,
129.2161, 148.3252

■ 15.4146, 18.7103,
22.5104

144.0968,
162.3898, 185.6900

■ 9.1991, 11.4612,
14.0305

179.0320,
200.8046, 228.8554

■ 4.9294, 6.3779,
8.0029

219.2011,
244.8450, 278.2399

■ 2.2402, 3.0762,
4.0090

264.9697,

■ 0.7638, 1.1717,

294.8952, 334.2621

1.6303

316.7030,
351.3396, 397.3405

■ 0.0000, 0.0384,
0.3123

■ 0.0000, 0.0000,
0.0000

■ 49.3898, 57.2974,
66.8489

■ 49.3898, 57.2974,
66.8489

■ 45.2995, 55.1975,
66.3301

■ 54.1837, 59.7629,
67.4041

■ 41.8744, 53.4391,
65.8423

■ 59.7071, 62.6030,
67.9934

■ 39.0804, 52.0060,
65.3852

■ 65.9909, 65.8351,
68.6193

■ 36.8782, 50.8779,
64.9568

■ 73.0627, 69.4734,
69.2832

■ 35.2239, 50.0322,
64.5551

■ 75.0125, 70.4712,
69.7085

■ 34.0679, 49.4434,
64.1778

■ 75.0767, 70.4969,
70.0466

■ 33.3513, 49.0812,
63.8222

■ 75.1411, 70.5226,
70.3858

■ 32.9743, 48.8939,
63.4836

■ 75.2058, 70.5485,
70.7262

■ 32.9526, 48.8832,
63.4609

■ 75.2706, 70.5744,
71.0676

Harmonies

Analogous

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



49.3339, 57.2974, 58.7388



49.3898, 57.2974, 66.8489



50.7728, 57.2974, 74.3523

Triad

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



49.3898, 57.2974, 66.8489



58.4911, 57.2974, 73.8289



55.7694, 57.2974, 48.4174

Complementary

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



49.3898, 57.2974, 66.8489



46.6208, 43.7317, 43.0322

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.



58.3204, 57.2974, 51.7798



49.3898, 57.2974, 66.8489



59.9282, 57.2974, 66.1835

Square

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



49.3898, 57.2974, 66.8489



55.9959, 57.2974, 78.6150



59.8647, 57.2974, 58.1284



52.9514, 57.2974, 48.5618

Rectangle

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



49.3898, 57.2974, 66.8489



52.2896, 57.2974, 77.7944



59.8647, 57.2974, 58.1284



56.6885, 57.2974, 49.1616

Sweetspot

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



49.3915, 57.2998, 66.8502



89.5817, 97.1881, 108.3221



45.5092, 55.7795, 44.9283



19.0525, 20.7397, 23.1722



0.0000, 0.0000, 0.0000



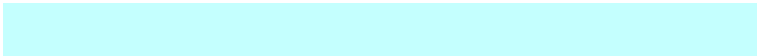
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3915, 57.2998, 66.8502



76.4303, 90.4284, 106.7977



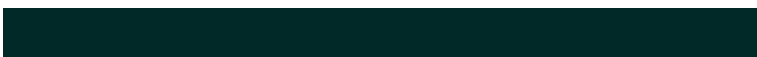
45.2551, 48.8314, 66.0744



12.1450, 13.4018, 15.1202



20.7662, 30.7994, 40.0107



1.1653, 1.7238, 2.2590

Inverse Universe

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



46.6208, 43.7317, 43.0322



71.2313, 64.9669, 62.1030



50.1980, 51.0350, 43.7654



11.8206, 11.8130, 12.3310



16.2355, 8.3670, 0.8804



0.9121, 0.4696, 0.0719

Previews

White Background



This preview shows how the XYZ color 49.3898, 57.2974, 66.8489 looks on a white background.

Color Contrast Check

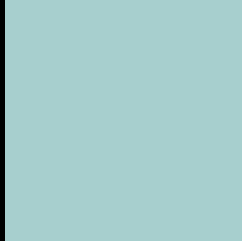
Large Text (above 18pt) WCAG AA × Fail

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 49.3898, 57.2974, 66.8489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

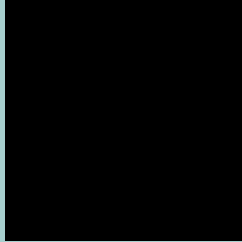
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3898, 57.2974, 66.8489

Background



This preview shows how black text looks on a background with the XYZ color 49.3898, 57.2974, 66.8489.



This preview shows how white text looks on a background with the XYZ color 49.3898, 57.2974,

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

49.3898, 57.2974, 66.8489

Protanopia

55.0938, 57.1618, 63.3879

Deuteranopia

58.3101, 57.0395, 68.2581



Tritanopia

51.4600, 57.4291, 76.7793

Trichromacy



Original Color

49.3898, 57.2974, 66.8489

Protanomaly

52.6524, 56.9039, 64.7084

Deuteranomaly

54.6052, 56.8126, 67.7624

Tritanomaly

50.8282, 57.5355, 73.3923

Monochromacy



Original Color

49.3898, 57.2974, 66.8489

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7398, 55.2847, 62.0296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3898, 57.2974, 66.8489 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(167, 207, 206)` looks like.

```
.text, #text, p{  
    color:rgb(167, 207, 206)  
}
```

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(167, 207, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 207, 206) }
```

Border

The CSS property to change the border of an element to XYZ 49.3898, 57.2974, 66.8489 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(167, 207, 206) }
```


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

```
.border{ border-color:rgb(167, 207, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 207, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 207, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 207, 206);  
box-shadow:4px 4px 4px 4px rgb(167, 207,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3898, 57.2974, 66.8489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 207, 206) }
```

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

```
.background{ background-color: rgb(167,  
207, 206) }
```

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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