

Converting Colors

XYZ(49.0725, 57.2197, 62.9559)

Have a look what the booklet for
XYZ(49.0725, 57.2197, 62.9559)
contains.

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Color

**XYZ(49.1003, 57.2308,
63.1024)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CFC8
RGB	169, 207, 200
RGB Percent	66%, 81%, 78%
CMY	0.3372, 0.1882, 0.2157
CMYK	0.18, 0.00, 0.03, 0.19
HSL	169°, 28%, 74%
HSV	169°, 18%, 81%
XYZ	49.1003, 57.2308, 63.1024
YIQ	194.8400, -20.4010, -10.2330

Conversions

Conversions Part 2

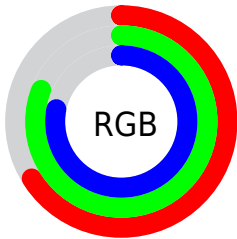
Format	Color
RYB	169, 190, 207
Decimal	11128776
CIELab	80.31, -13.93, -0.70
CIELCh	80, 13.952, 182.863
Yxy	57.2308, 0.2898, 0.3378
Android (android.graphics.Color)	4289318856 (0xFFA9CFC8)
YUV	194.8400, 2.5439, -22.6617
Hunter-Lab	75.6510, -16.5363, 3.5005

Details

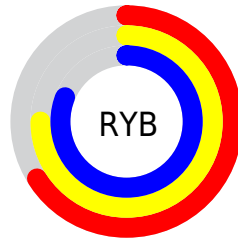
The XYZ color **49.1003, 57.2308, 63.1024** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7585, 44.7773, 47.2024**, and the grayscale version is **51.7719, 54.4680, 59.3157**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **23.7820, 28.5708, 31.4554** is the 20% darker color. If you saturate the color by 10%, you get **44.5663, 54.9458, 60.5930**, and if you desaturate by 10%, it is **54.3518, 59.8874, 65.7059**.

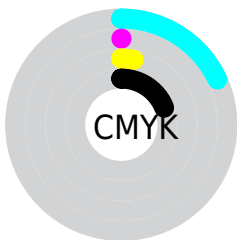
Distribution



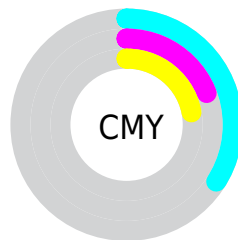
- Red (66%)
- Green (81%)
- Blue (78%)



- Red (66%)
- Yellow (75%)
- Blue (81%)



- Cyan (18%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)





- Cyan (34%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1003, 57.2308, 63.1024 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 49.1003, 57.2308, 63.1024 by changing the saturation by 10% instead.


 49.1003, 57.2308,
63.1024

 49.1003, 57.2308,
63.1024


373.6475,
414.3136, 454.0592

 34.9139, 41.1906,
45.4825


 88.0402, 100.8019,
110.9042

 23.7628, 28.4680,
31.4920


113.5245,
129.1015, 141.9233

 15.2815, 18.6788,
20.7121


143.5054,
162.2564, 178.2458

 9.1048, 11.4384,
12.7246

178.3483,
200.6510, 220.2903

 4.8673, 6.3625,
7.1107

218.4187,
244.6696, 268.4753

 2.2035, 3.0667,
3.4519

264.0817,

 0.7446, 1.1667,

294.6966, 323.2195

1.3298

315.7029,
351.1165, 384.9413

■ 0.0000, 0.0342,
0.0860

■ 0.0000, 0.0000,
0.0000

■ 49.1003, 57.2308,
63.1024

■ 49.1003, 57.2308,
63.1024

■ 44.5663, 54.9458,
60.5930

■ 54.3518, 59.8874,
65.7059

■ 40.7118, 53.0084,
58.1718

■ 60.3467, 62.9245,
68.4015

■ 37.5027, 51.4023,
55.8380

■ 67.1159, 66.3593,
71.1922

■ 34.9000, 50.1077,
53.5894

■ 74.6867, 70.2062,
74.0797

■ 32.8603, 49.1020,
51.4236

■ 76.3498, 71.0061,
76.7505

■ 31.3345, 48.3600,
49.3377

■ 76.8581, 71.2095,
79.4273

■ 30.2648, 47.8519,
47.3287

■ 77.3781, 71.4174,
82.1651

■ 29.5635, 47.5325,
45.3920

■ 77.9096, 71.6301,
84.9643

■ 29.4621, 47.4871,
45.0800

■ 78.4529, 71.8474,
87.8253

Harmonies

Analogous

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



49.6599, 57.2308, 55.4212



49.1003, 57.2308, 63.1024



49.9181, 57.2308, 71.2323

Triad

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



49.1003, 57.2308, 63.1024



57.4268, 57.2308, 76.4613



56.9363, 57.2308, 49.3556

Complementary

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



49.1003, 57.2308, 63.1024



47.7585, 44.7773, 47.2024

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.



59.1343, 57.2308, 54.1741



49.1003, 57.2308, 63.1024



59.4244, 57.2308, 69.7571

Square

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



49.1003, 57.2308, 63.1024



54.6705, 57.2308, 79.3555



60.0597, 57.2308, 61.5334



54.1227, 57.2308, 47.9066

Rectangle

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



49.1003, 57.2308, 63.1024



51.1517, 57.2308, 75.6937



60.0597, 57.2308, 61.5334



57.7749, 57.2308, 50.6129

Sweetspot

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



49.1019, 57.2332, 63.1037



89.1927, 97.0325, 106.2738



47.5164, 56.7929, 45.9947



18.9602, 20.7028, 22.6865



0.0000, 0.0000, 0.0000



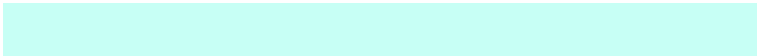
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1019, 57.2332, 63.1037



75.7166, 90.2204, 99.5398



47.2762, 52.2416, 66.6262



12.0610, 13.3682, 14.6777



18.5941, 29.9306, 28.5722



1.0645, 1.6835, 1.7285

Inverse Universe

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



47.7585, 44.7773, 47.2024



73.1785, 66.6761, 69.4888



49.2976, 48.9359, 44.3843



11.8964, 11.8433, 12.7305



16.4599, 8.4568, 2.0620



0.9477, 0.4838, 0.2593

Previews

White Background



This preview shows how the XYZ color 49.1003, 57.2308, 63.1024 looks on a white background.

Color Contrast Check

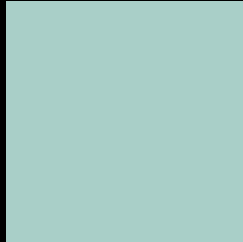
Large Text (above 18pt) WCAG AA × Fail

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 49.1003, 57.2308, 63.1024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

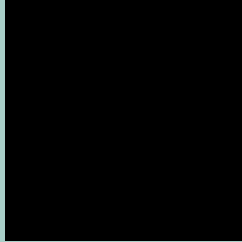
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

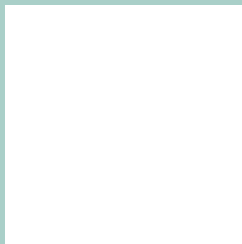
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1003, 57.2308, 63.1024

Background



This preview shows how black text looks on a background with the XYZ color 49.1003, 57.2308, 63.1024.



This preview shows how white text looks on a background with the XYZ color 49.1003, 57.2308,

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

49.1003, 57.2308, 63.1024

Protanopia

54.6730, 57.0248, 59.7551

Deuteranopia

58.1684, 57.0507, 64.4460



Tritanopia

51.7447, 57.2373, 76.0308

Trichromacy



Original Color

49.1003, 57.2308, 63.1024

Protanomaly

52.4505, 56.8809, 61.0380

Deuteranomaly

54.4079, 56.7945, 63.9720

Tritanomaly

50.8548, 57.2374, 71.3184

Monochromacy



Original Color

49.1003, 57.2308, 63.1024

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7512, 55.3172, 60.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1003, 57.2308, 63.1024 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(169, 207, 200)` looks like.

```
.text, #text, p{  
    color:rgb(169, 207, 200)  
}
```

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(169, 207, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 207, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.1003, 57.2308, 63.1024 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(169, 207, 200) }
```


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

```
.border{ border-color:rgb(169, 207, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 207, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 207, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 207, 200);  
box-shadow:4px 4px 4px 4px rgb(169, 207,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1003, 57.2308, 63.1024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 207, 200) }
```

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

```
.background{ background-color: rgb(169,  
207, 200) }
```

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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