

Converting Colors

XYZ(49.5854, 57.9300, 76.9400)

Have a look what the booklet for
XYZ(49.5854, 57.9300, 76.9400)
contains.

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Color

**XYZ(49.5619, 57.8893,
76.9682)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD1DD
RGB	156, 209, 221
RGB Percent	61%, 82%, 87%
CMY	0.3882, 0.1804, 0.1333
CMYK	0.29, 0.05, 0.00, 0.13
HSL	191°, 49%, 74%
HSV	191°, 29%, 87%
XYZ	49.5619, 57.8893, 76.9682
YIQ	194.5210, -35.4400, -7.5040

Conversions

Conversions Part 2

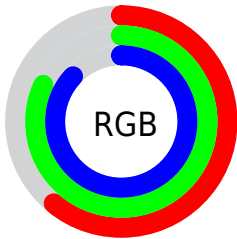
Format	Color
RYB	156, 185, 221
Decimal	10277341
CIELab	80.68, -14.27, -11.48
CIElCh	81, 18.310, 218.814
Yxy	57.8893, 0.2687, 0.3139
Android (android.graphics.Color)	4288467421 (0xFF9CD1DD)
YUV	194.5210, 13.0541, -33.7829
Hunter-Lab	76.0850, -16.8736, -6.7187

Details

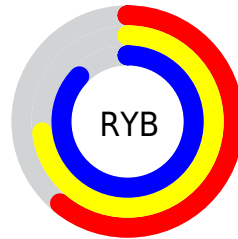
The XYZ color **49.5619, 57.8893, 76.9682** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8229, 45.7782, 37.6639**, and the grayscale version is **51.5283, 54.2118, 59.0367**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **24.0838, 29.0206, 40.4086** is the 20% darker color. If you saturate the color by 10%, you get **44.6807, 53.9075, 76.4579**, and if you desaturate by 10%, it is **55.2503, 62.3281, 77.5261**.

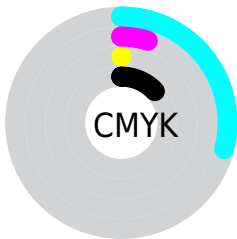
Distribution



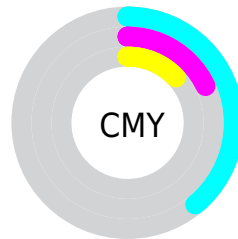
- Red (61%)
- Green (82%)
- Blue (87%)



- Red (61%)
- Yellow (73%)
- Blue (87%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5619, 57.8893, 76.9682 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 49.5619, 57.8893, 76.9682 by changing the saturation by 10% instead.

■ 49.5619, 57.8893,
76.9682

■ 49.5619, 57.8893,
76.9682

375.4306,
416.7733, 504.0904

■ 35.2818, 41.7197,
56.7154

■ 88.7211, 101.7616,
130.8672

■ 24.0476, 28.8818,
40.3689

■ 114.3310,
130.2331, 165.3504

■ 15.4938, 18.9915,
27.5103

144.4481,
163.5740, 205.4142

■ 9.2553, 11.6641,
17.7211

179.4379,
202.1687, 251.4771

■ 4.9665, 6.5154,
10.5825

219.6657,
246.4016, 303.9576

■ 2.2622, 3.1609,
5.6763

265.4968,

■ 0.7752, 1.2163,

296.6570, 363.2743

2.5837

317.2967,
353.3195, 429.8457

■ 0.0000, 0.0750,
0.8840

■ 0.0000, 0.0000,
0.0000

■ 49.5619, 57.8893,
76.9682

■ 49.5619, 57.8893,
76.9682

■ 44.6807, 53.9075,
76.4579

■ 55.2503, 62.3281,
77.5261

■ 40.5590, 50.3536,
75.9891

■ 61.7798, 67.2374,
78.1296

■ 37.1521, 47.2057,
75.5611

■ 69.1889, 72.6387,
78.7816

■ 34.4084, 44.4369,
75.1713

■ 77.5118, 78.5500,
79.4840

■ 32.2691, 42.0165,
74.8168

■ 82.4215, 82.7409,
80.0341

■ 30.6644, 39.9084,
74.4945

■ 83.5662, 85.0302,
80.4157

■ 29.4797, 38.0531,
74.1988

■ 84.7376, 87.3730,
80.8061

■ 29.4148, 37.9474,
74.1819

■ 85.9358, 89.7695,
81.2056

■ 87.1612, 92.2202,
81.6140

Harmonies

Analogous

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



48.1614, 57.8893, 66.2681



49.5619, 57.8893, 76.9682



52.4422, 57.8893, 84.4510

Triad

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



49.5619, 57.8893, 76.9682



62.0656, 57.8893, 70.8406



53.9182, 57.8893, 44.6526

Complementary

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



49.5619, 57.8893, 76.9682



49.8229, 45.7782, 37.6639

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.



57.6851, 57.8893, 45.5797



49.5619, 57.8893, 76.9682



62.5051, 57.8893, 59.9022

Square

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



49.5619, 57.8893, 76.9682



59.6945, 57.8893, 80.6417



60.8692, 57.8893, 50.8879



50.6000, 57.8893, 48.1922

Rectangle

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



49.5619, 57.8893, 76.9682



54.8720, 57.8893, 86.1634



60.8692, 57.8893, 50.8879



55.1724, 57.8893, 44.4615

Sweetspot

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



49.5636, 57.8916, 76.9695



85.7684, 93.2311, 108.0827



46.6281, 61.6060, 46.4400



18.0572, 19.7324, 23.1070



0.0000, 0.0000, 0.0000



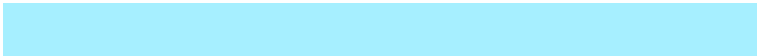
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5636, 57.8916, 76.9695



64.4515, 76.7559, 106.0262



42.4026, 43.5696, 74.5825



13.2299, 14.3995, 16.7342



17.1646, 22.1987, 43.1185



1.1661, 1.5464, 2.8115

Inverse Universe

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



53.2173, 43.7539, 65.9647



70.3409, 54.6457, 88.1351



56.5716, 59.2755, 39.9134



13.5059, 13.2315, 15.9253



22.1592, 10.8647, 26.2824



1.4629, 0.7148, 1.8466

Previews

White Background



This preview shows how the XYZ color 49.5619, 57.8893, 76.9682 looks on a white background.

Color Contrast Check

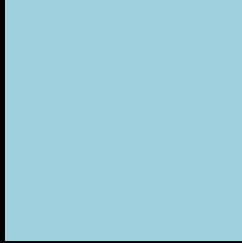
Large Text (above 18pt) WCAG AA × Fail

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 49.5619, 57.8893, 76.9682 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 49.5619, 57.8893, 76.9682

Background



This preview shows how black text looks on a background with the XYZ color 49.5619, 57.8893, 76.9682.

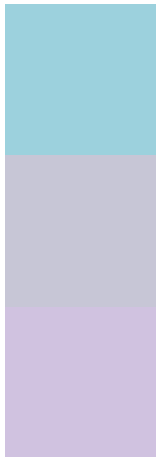


This preview shows how white text looks on a background with the XYZ color 49.5619, 57.8893,

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

49.5619, 57.8893, 76.9682

Protanopia

55.8849, 57.3853, 71.7494

Deuteranopia

58.7588, 57.3753, 78.4986



Tritanopia

50.0511, 57.7161, 79.7365

Trichromacy



Original Color

49.5619, 57.8893, 76.9682

Protanomaly

53.1734, 57.3181, 73.9066

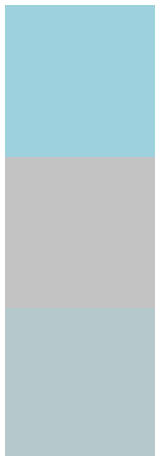
Deuteranomaly

54.7290, 56.9934, 77.9283

Tritanomaly

49.9150, 57.6617, 79.0200

Monochromacy



Original Color

49.5619, 57.8893, 76.9682

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6094, 55.4919, 65.1704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5619, 57.8893, 76.9682 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(156, 209, 221)` looks like.

```
.text, #text, p{  
    color:rgb(156, 209, 221)  
}
```

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(156, 209, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 209, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.5619, 57.8893, 76.9682 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(156, 209, 221) }
```


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

```
.border{ border-color:rgb(156, 209, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 209, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 209, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 209, 221);  
box-shadow:4px 4px 4px 4px rgb(156, 209,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5619, 57.8893, 76.9682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 209, 221) }
```

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

```
.background{ background-color: rgb(156,  
209, 221) }
```

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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