

Converting Colors

XYZ(49.3173, 57.4001, 76.8866)

Have a look what the booklet for
XYZ(49.3173, 57.4001, 76.8866)
contains.

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Color

**XYZ(49.3173, 57.4001,
76.8866)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD0DD
RGB	156, 208, 221
RGB Percent	61%, 82%, 87%
CMY	0.3882, 0.1843, 0.1333
CMYK	0.29, 0.06, 0.00, 0.13
HSL	192°, 49%, 74%
HSV	192°, 29%, 87%
XYZ	49.3173, 57.4001, 76.8866
YIQ	193.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

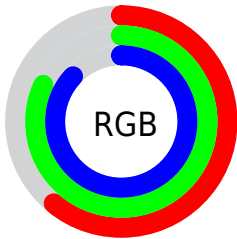
Format	Color
R _{YB}	156, 185, 221
Decimal	10277085
CIE _{Lab}	80.40, -13.75, -11.88
CIE _{LCh}	80, 18.177, 220.831
Y _{xy}	57.4001, 0.2686, 0.3126
Android (android.graphics.Color)	4288467165 (0xFF9CD0DD)
YUV	193.9340, 13.3435, -33.2681
Hunter-Lab	75.7629, -16.3917, -7.1354

Details

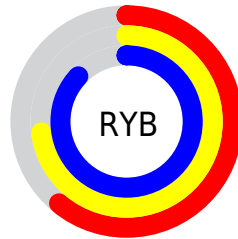
The XYZ color **49.3173, 57.4001, 76.8866** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0082, 46.1488, 37.7257**, and the grayscale version is **51.1790, 53.8443, 58.6364**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **23.9180, 28.6892, 40.3533** is the 20% darker color. If you saturate the color by 10%, you get **44.3616, 53.2694, 76.3515**, and if you desaturate by 10%, it is **55.0845, 61.9965, 77.4708**.

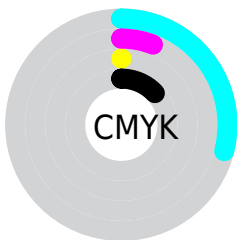
Distribution



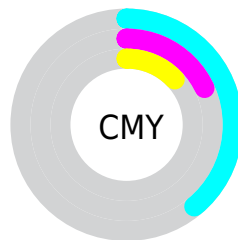
- Red (61%)
- Green (82%)
- Blue (87%)



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



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3173, 57.4001, 76.8866 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 49.3173, 57.4001, 76.8866 by changing the saturation by 10% instead.

■ 49.3173, 57.4001,
76.8866

■ 49.3173, 57.4001,
76.8866

374.4864,
414.9468, 503.8047

■ 35.0868, 41.3266,
56.6488

■ 88.3604, 101.0488,
130.7509

■ 23.8966, 28.5743,
40.3159

■ 113.9038,
129.3926, 165.2146

■ 15.3812, 18.7591,
27.4692

143.9488,
162.5954, 205.2572

■ 9.1754, 11.4963,
17.6904

178.8608,
201.0415, 251.2974

■ 4.9138, 6.4017,
10.5608

219.0053,
245.1153, 303.7537

■ 2.2310, 3.0908,
5.6619

264.7474,

■ 0.7590, 1.1793,

295.2012, 363.0447

2.5752

316.4527,
351.6836, 429.5888

0.0000, 0.0447,
0.8796

0.0000, 0.0000,
0.0000

49.3173, 57.4001,
76.8866

49.3173, 57.4001,
76.8866

44.3616, 53.2694,
76.3515

55.0845, 61.9965,
77.4708

40.1698, 49.5753,
75.8594

61.6973, 67.0724,
78.1020

36.6972, 46.2958,
75.4094

69.1941, 72.6493,
78.7833

33.8919, 43.4039,
74.9990

77.6094, 78.7452,
79.5164

■ 31.6952, 40.8688,
74.6255

■ 82.6160, 83.1300,
80.0989

■ 30.0373, 38.6542,
74.2854

■ 83.8623, 85.6224,
80.5143

■ 28.8034, 36.7005,
73.9733

■ 85.1399, 88.1777,
80.9402

■ 28.7357, 36.5893,
73.9554

■ 86.4492, 90.7962,
81.3766

■ 87.7903, 93.4785,
81.8236

Harmonies

Analogous

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



47.8230, 57.4001, 66.4318



49.3173, 57.4001, 76.8866



52.2399, 57.4001, 83.9355

Triad

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



49.3173, 57.4001, 76.8866



61.6028, 57.4001, 69.4761



53.2227, 57.4001, 44.4458

Complementary

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



49.3173, 57.4001, 76.8866



50.0082, 46.1488, 37.7257

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.



56.9418, 57.4001, 45.0634



49.3173, 57.4001, 76.8866



61.8954, 57.4001, 58.7245

Square

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



49.3173, 57.4001, 76.8866



59.3733, 57.4001, 79.3322



60.1554, 57.4001, 50.0284



50.0086, 57.4001, 48.2331

Rectangle

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



49.3173, 57.4001, 76.8866



54.6610, 57.4001, 85.3243



60.1554, 57.4001, 50.0284



54.4533, 57.4001, 44.1571

Sweetspot

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



49.3190, 57.4024, 76.8879



85.6583, 93.0110, 108.0460



46.6280, 61.6060, 46.4400



18.0299, 19.6779, 23.0979



0.0000, 0.0000, 0.0000



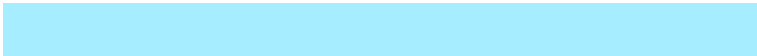
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3190, 57.4024, 76.8879



64.0521, 75.9571, 105.8930



42.4026, 43.5696, 74.5825



13.2122, 14.3641, 16.7283



16.7746, 21.4186, 42.9885



1.1441, 1.5023, 2.8041

Inverse Universe

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



53.0938, 43.7046, 65.3145



70.1393, 54.5650, 87.0734



56.5715, 59.2754, 39.9135



13.4970, 13.2279, 15.8783



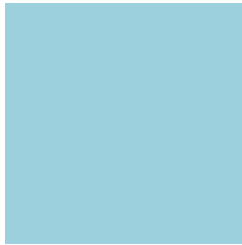
21.9624, 10.7860, 25.2456



1.4518, 0.7104, 1.7880

Previews

White Background



This preview shows how the XYZ color 49.3173, 57.4001, 76.8866 looks on a white background.

Color Contrast Check

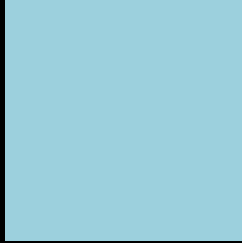
Large Text (above 18pt) WCAG AA × Fail

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 49.3173, 57.4001, 76.8866 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 49.3173, 57.4001, 76.8866

Background



This preview shows how black text looks on a background with the XYZ color 49.3173, 57.4001, 76.8866.

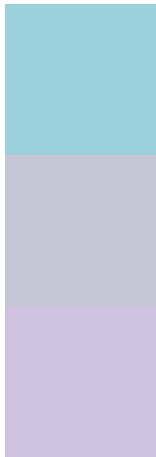


This preview shows how white text looks on a background with the XYZ color 49.3173, 57.4001,

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

49.3173, 57.4001, 76.8866

Protanopia

55.6204, 57.2490, 71.7370

Deuteranopia

58.1999, 57.0872, 78.4725



Tritanopia

49.9150, 57.6617, 79.0200

Trichromacy



Original Color

49.3173, 57.4001, 76.8866

Protanomaly

53.1734, 57.3181, 73.9066

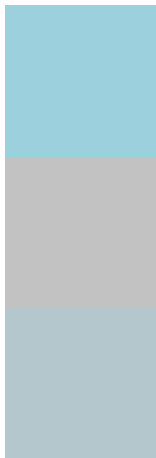
Deuteranomaly

54.4817, 56.8659, 77.9168

Tritanomaly

49.7798, 57.6076, 78.3077

Monochromacy



Original Color

49.3173, 57.4001, 76.8866

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.1449, 54.9098, 65.0825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3173, 57.4001, 76.8866 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, 208, 221)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 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, 208, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.3173, 57.4001, 76.8866 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, 208, 221) }
```


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

```
.border{ border-color:rgb(156, 208, 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, 208, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 208, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 208, 221);  
box-shadow:4px 4px 4px 4px rgb(156, 208,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3173, 57.4001, 76.8866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 221) }
```

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

```
.background{ background-color: rgb(156,  
208, 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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