

Converting Colors

XYZ(49.9569, 57.1691, 74.1767)

Have a look what the booklet for
XYZ(49.9569, 57.1691, 74.1767)
contains.

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Color

**XYZ(49.9055, 57.0449,
74.0261)**

Conversions

Conversions Part 1

Format	Color
Hex	A4CED9
RGB	164, 206, 217
RGB Percent	64%, 81%, 85%
CMY	0.3569, 0.1921, 0.1490
CMYK	0.24, 0.05, 0.00, 0.15
HSL	192°, 41%, 75%
HSV	192°, 24%, 85%
XYZ	49.9055, 57.0449, 74.0261
YIQ	194.6960, -28.5630, -5.4830

Conversions

Conversions Part 2

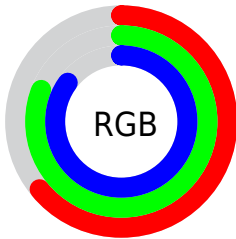
Format	Color
RYB	164, 187, 217
Decimal	10800857
CIELab	80.20, -11.30, -9.99
CIELCh	80, 15.086, 221.475
Yxy	57.0449, 0.2758, 0.3152
Android (android.graphics.Color)	4288990937 (0xFFA4CED9)
YUV	194.6960, 10.9959, -26.9204
Hunter-Lab	75.5281, -14.2295, -5.2413

Details

The XYZ color **49.9055, 57.0449, 74.0261** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6466, 48.0921, 41.7364**, and the grayscale version is **51.6411, 54.3305, 59.1659**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **24.3054, 28.4446, 38.3917** is the 20% darker color. If you saturate the color by 10%, you get **44.7355, 52.7948, 73.4792**, and if you desaturate by 10%, it is **55.8740, 61.7556, 74.6217**.

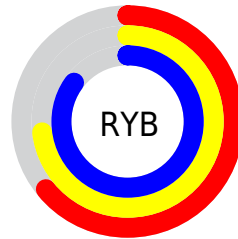
Distribution



Red (64%)

Green (81%)

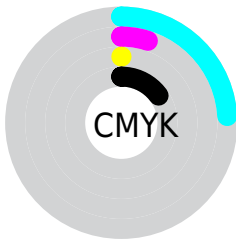
Blue (85%)



Red (64%)

Yellow (73%)

Blue (85%)

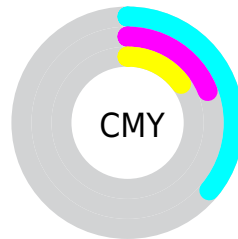


Cyan (24%)

Magenta (5%)

Yellow (0%)

Black (15%)



Cyan (36%)

Magenta (19%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9055, 57.0449, 74.0261 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 49.9055, 57.0449, 74.0261 by changing the saturation by 10% instead.

■ 49.9055, 57.0449,
74.0261

■ 49.9055, 57.0449,
74.0261

376.7544,
413.6175, 493.7293

■ 35.5558, 41.0413,
54.3185

■ 89.2275, 100.5307,
126.6672

■ 24.2598, 28.3513,
38.4614

■ 114.9305,
128.7817, 160.4377

■ 15.6523, 18.5907,
26.0364

145.1487,
161.8839, 199.7330

■ 9.3677, 11.3749,
16.6249

180.2474,
200.2218, 244.9716

■ 5.0408, 6.3196,
9.8083

220.5920,
244.1797, 296.5719

■ 2.3062, 3.0404,
5.1681

266.5477,

■ 0.7979, 1.1528,

294.1420, 354.9526

2.2858

318.4801,
350.4932, 420.5322

■ 0.0000, 0.0227,
0.7232

■ 0.0000, 0.0000,
0.0000

■ 49.9055, 57.0449,
74.0261

■ 49.9055, 57.0449,
74.0261

■ 44.7355, 52.7948,
73.4792

■ 55.8740, 61.7556,
74.6217

■ 40.3200, 48.9780,
72.9752

■ 62.6722, 66.9391,
75.2639

■ 36.6182, 45.5744,
72.5133

■ 70.3359, 72.6155,
75.9557

■ 33.5832, 42.5596,
72.0914

■ 78.8970, 78.8019,
76.6985

■ 31.1626, 39.9060,
71.7068

■ 81.6506, 82.0420,
77.1788

■ 29.2954, 37.5818,
71.3566

■ 82.9093, 84.5593,
77.5984

■ 27.9075, 35.5486,
71.0373

■ 84.2005, 87.1417,
78.0288

■ 27.2721, 34.5050,
70.8693

■ 85.5244, 89.7896,
78.4701

■ 86.8814, 92.5035,
78.9224

Harmonies

Analogous

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



48.6245, 57.0449, 65.5451



49.9055, 57.0449, 74.0261



52.3610, 57.0449, 79.6072

Triad

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



49.9055, 57.0449, 74.0261



60.0262, 57.0449, 67.6538



53.0507, 57.0449, 46.9398

Complementary

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



49.9055, 57.0449, 74.0261



50.6466, 48.0921, 41.7364

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.



56.1214, 57.0449, 47.3888



49.9055, 57.0449, 74.0261



60.2280, 57.0449, 58.8013

Square

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



49.9055, 57.0449, 74.0261



58.2338, 57.0449, 75.6950



58.7751, 57.0449, 51.5505



50.3940, 57.0449, 50.2600

Rectangle

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



49.9055, 57.0449, 74.0261



54.3719, 57.0449, 80.6412



58.7751, 57.0449, 51.5505



54.0673, 57.0449, 46.6640

Sweetspot

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



49.9072, 57.0472, 74.0274



87.6149, 94.4299, 108.2167



47.8224, 60.5987, 49.5291



18.6222, 20.1126, 23.1506



0.0000, 0.0000, 0.0000



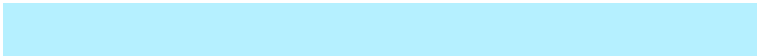
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9072, 57.0472, 74.0274



68.1766, 79.1673, 106.2953



44.1364, 45.5056, 72.1038



13.2035, 14.3468, 16.7255



16.5871, 21.0436, 42.9260



1.1335, 1.4811, 2.8006

Inverse Universe

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



53.0326, 45.7601, 64.4326



73.4511, 60.5989, 89.9955



56.2271, 59.2530, 43.5966



13.4926, 13.2261, 15.8553



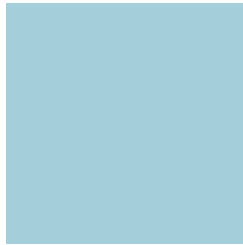
21.8677, 10.7481, 24.7472



1.4464, 0.7082, 1.7598

Previews

White Background



This preview shows how the XYZ color 49.9055, 57.0449, 74.0261 looks on a white background.

Color Contrast Check

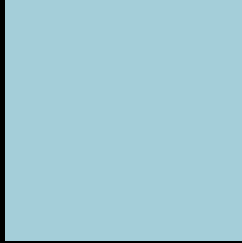
Large Text (above 18pt) WCAG AA × Fail

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 49.9055, 57.0449, 74.0261 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 49.9055, 57.0449, 74.0261

Background



This preview shows how black text looks on a background with the XYZ color 49.9055, 57.0449, 74.0261.



This preview shows how white text looks on a background with the XYZ color 49.9055, 57.0449,

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

49.9055, 57.0449, 74.0261

Protanopia

55.1386, 56.6917, 70.3238

Deuteranopia

58.0007, 56.7171, 75.6007



Tritanopia

50.5332, 56.9359, 77.4336

Trichromacy



Original Color

49.9055, 57.0449, 74.0261

Protanomaly

53.0416, 56.6027, 71.7482

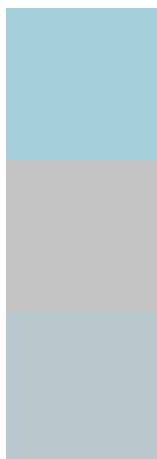
Deuteranomaly

54.7185, 56.7091, 75.0798

Tritanomaly

50.2666, 56.8293, 76.0300

Monochromacy



Original Color

49.9055, 57.0449, 74.0261

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.9701, 55.3490, 64.4969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9055, 57.0449, 74.0261 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(164, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(164, 206, 217)  
}
```

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(164, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 206, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.9055, 57.0449, 74.0261 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(164, 206, 217) }
```


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

```
.border{ border-color:rgb(164, 206, 217) }
```

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

Here you see how a box with a 4 pixel rgb(164, 206, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 206, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 206, 217);  
box-shadow:4px 4px 4px 4px rgb(164, 206,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9055, 57.0449, 74.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 206, 217) }
```

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

```
.background{ background-color: rgb(164,  
206, 217) }
```

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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