

Converting Colors

XYZ(49.3085, 54.9284, 74.5491)

Have a look what the booklet for
XYZ(49.3085, 54.9284, 74.5491)
contains.

XYZ(49.2674, 54.9422, 74.3379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.2674, 54.9422,
74.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C9DA
RGB	166, 201, 218
RGB Percent	65%, 79%, 85%
CMY	0.3490, 0.2117, 0.1451
CMYK	0.24, 0.08, 0.00, 0.15
HSL	200°, 41%, 75%
HSV	200°, 24%, 85%
XYZ	49.2674, 54.9422, 74.3379
YIQ	192.4730, -26.3170, -2.1330

Conversions

Conversions Part 2

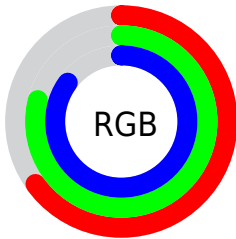
Format	Color
RYB	166, 187, 218
Decimal	10930650
CIELab	79.01, -7.87, -12.30
CIELCh	79, 14.604, 237.388
Yxy	54.9422, 0.2759, 0.3077
Android (android.graphics.Color)	4289120730 (0xFFA6C9DA)
YUV	192.4730, 12.5848, -23.2168
Hunter-Lab	74.1230, -11.0715, -7.5758

Details

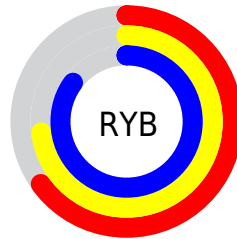
The XYZ color **49.2674, 54.9422, 74.3379** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7305, 51.5258, 43.2439**, and the grayscale version is **50.3204, 52.9410, 57.6527**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **23.8546, 27.0225, 38.6089** is the 20% darker color. If you saturate the color by 10%, you get **43.4567, 49.5388, 73.6021**, and if you desaturate by 10%, it is **55.9331, 60.9035, 75.1381**.

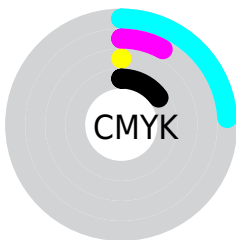
Distribution



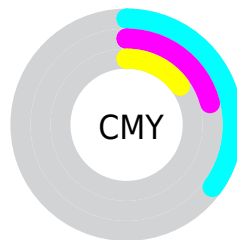
- Red (65%)
- Green (79%)
- Blue (85%)



- Red (65%)
- Yellow (73%)
- Blue (85%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (35%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2674, 54.9422, 74.3379 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 49.2674, 54.9422, 74.3379 by changing the saturation by 10% instead.

■ 49.2674, 54.9422,
74.3379

■ 49.2674, 54.9422,
74.3379

374.2936,
405.6928, 494.8333

■ 35.0471, 39.3554,
54.5722

■ 88.2868, 97.4563,
127.1131

■ 23.8658, 27.0364,
38.6630

■ 113.8166,
125.1524, 160.9598

■ 15.3583, 17.6005,
26.1919

143.8469,
157.6537, 200.3371

■ 9.1592, 10.6636,
16.7402

178.7430,
195.3447, 245.6637

■ 4.9031, 5.8411,
9.8894

218.8704,
238.6097, 297.3580

■ 2.2247, 2.7487,
5.2211

264.5944,

■ 0.7557, 1.0020,

287.8331, 355.8387

2.3165

316.2804,
343.3993, 421.5243

■ 0.0000, 0.0000,
0.7405

■ 0.0000, 0.0000,
0.0000

■ 49.2674, 54.9422,
74.3379

■ 49.2674, 54.9422,
74.3379

■ 43.4567, 49.5388,
73.6021

■ 55.9331, 60.9035,
75.1381

■ 38.4559, 44.6645,
72.9248

■ 63.4861, 67.4368,
76.0011

■ 34.2233, 40.2975,
72.3050

■ 71.9632, 74.5638,
76.9300

■ 30.7109, 36.4115,
71.7401

■ 81.3972, 82.3030,
77.9266

■ 27.8652, 32.9772,
71.2272

■ 84.0734, 86.6787,
78.6301

■ 25.6242, 29.9612,
70.7631

■ 86.1736, 90.8791,
79.3302

■ 23.9132, 27.3231,
70.3441

■ 88.3567, 95.2453,
80.0579

■ 23.0485, 25.8490,
70.1051

■ 89.6551, 97.8420,
80.4906

Harmonies

Analogous

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



47.4157, 54.9422, 67.4891



49.2674, 54.9422, 74.3379



51.9667, 54.9422, 77.2722

Triad

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



49.2674, 54.9422, 74.3379



58.0031, 54.9422, 60.5548



49.6928, 54.9422, 46.7108

Complementary

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



49.2674, 54.9422, 74.3379



52.7305, 51.5258, 43.2439

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.



52.4759, 54.9422, 45.2203



49.2674, 54.9422, 74.3379



57.3403, 54.9422, 52.7601

Square

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



49.2674, 54.9422, 74.3379



57.0697, 54.9422, 68.8670



55.2902, 54.9422, 47.3318



47.6548, 54.9422, 51.6071

Rectangle

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



49.2674, 54.9422, 74.3379



53.9084, 54.9422, 76.4278



55.2902, 54.9422, 47.3318



50.5691, 54.9422, 45.8158

Sweetspot

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



49.2691, 54.9444, 74.3392



86.9519, 93.1039, 107.9957



49.2902, 61.6476, 53.8117



18.4684, 19.8050, 23.0993



0.0000, 0.0000, 0.0000



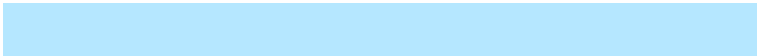
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2691, 54.9444, 74.3392



65.6454, 74.1049, 105.4515



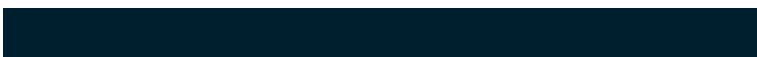
43.8159, 44.0382, 72.5214



13.0675, 14.0747, 16.6801



13.9102, 15.6898, 42.0337



0.9785, 1.1710, 2.7489

Inverse Universe

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



53.0936, 46.3962, 61.4178



72.1734, 60.0878, 83.2676



58.4672, 62.9993, 45.1562



13.4239, 13.1987, 15.4937



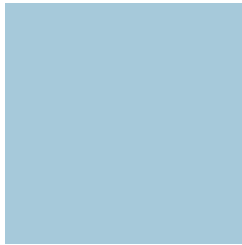
20.5166, 10.2077, 17.6320



1.3682, 0.6769, 1.3477

Previews

White Background



This preview shows how the XYZ color 49.2674, 54.9422, 74.3379 looks on a white background.

Color Contrast Check

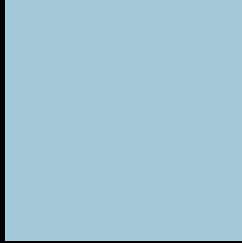
Large Text (above 18pt) WCAG AA × Fail

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 49.2674, 54.9422, 74.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

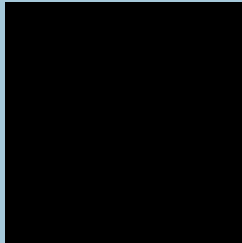
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2674, 54.9422, 74.3379

Background



This preview shows how black text looks on a background with the XYZ color 49.2674, 54.9422, 74.3379.



This preview shows how white text looks on a background with the XYZ color 49.2674, 54.9422,

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

49.2674, 54.9422, 74.3379

Protanopia

53.4217, 54.7761, 71.3755

Deuteranopia

55.6888, 54.5508, 75.3044



Tritanopia

49.1369, 54.8900, 73.6507

Trichromacy



Original Color

49.2674, 54.9422, 74.3379

Protanomaly

51.7604, 54.9061, 72.1598

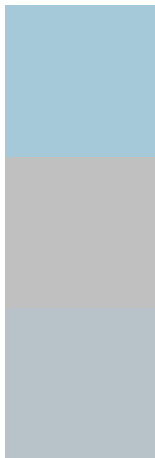
Deuteranomaly

53.0642, 54.5169, 74.7439

Tritanomaly

49.1369, 54.8900, 73.6507

Monochromacy



Original Color

49.2674, 54.9422, 74.3379

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.5862, 53.3145, 62.9356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2674, 54.9422, 74.3379 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(166, 201, 218)` looks like.

```
.text, #text, p{  
    color:rgb(166, 201, 218)  
}
```

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(166, 201, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 201, 218) }
```

Border

The CSS property to change the border of an element to XYZ 49.2674, 54.9422, 74.3379 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(166, 201, 218) }
```


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

```
.border{ border-color:rgb(166, 201, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 201, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 201, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 201, 218);  
box-shadow:4px 4px 4px 4px rgb(166, 201,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2674, 54.9422, 74.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 201, 218) }
```

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

```
.background{ background-color: rgb(166,  
201, 218) }
```

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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