

Converting Colors

XYZ(49.8461, 54.9284, 72.9470)

Have a look what the booklet for
XYZ(49.8461, 54.9284, 72.9470)
contains.

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Color

**XYZ(49.8435, 54.9243,
72.9402)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | ABC8D8 |
| RGB | 171, 200, 216 |
| RGB Percent | 67%, 78%, 85% |
| CMY | 0.3294, 0.2157, 0.1529 |
| CMYK | 0.21, 0.07, 0.00, 0.15 |
| HSL | 201°, 37%, 76% |
| HSV | 201°, 21%, 85% |
| XYZ | 49.8435, 54.9243, 72.9402 |
| YIQ | 193.1530, -22.4200, -1.1720 |

Conversions

Conversions Part 2

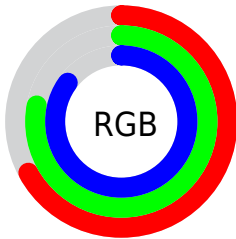
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 171, 189, 216 |
| Decimal | 11258072 |
| CIELab | 79.00, -6.27, -11.21 |
| CIELCh | 79, 12.842, 240.790 |
| Yxy | 54.9243, 0.2805, 0.3091 |
| Android (android.graphics.Color) | 4289448152 (0xFFABC8D8) |
| YUV | 193.1530, 11.2636, -19.4282 |
| Hunter-Lab | 74.1109, -9.6435, -6.4757 |

Details

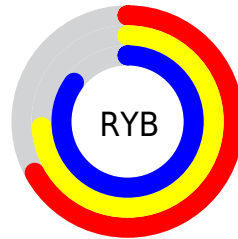
The XYZ color **49.8435, 54.9243, 72.9402** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4405, 53.0800, 45.9581**, and the grayscale version is **50.7251, 53.3667, 58.1164**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **24.1831, 26.9825, 37.6518** is the 20% darker color. If you saturate the color by 10%, you get **43.7839, 49.2276, 72.1609**, and if you desaturate by 10%, it is **56.7646, 61.2005, 73.7877**.

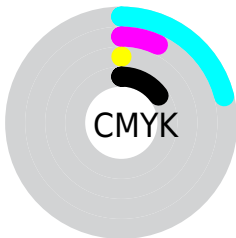
Distribution



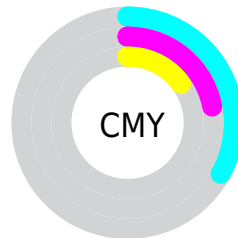
- Red (67%)
- Green (78%)
- Blue (85%)



- Red (67%)
- Yellow (74%)
- Blue (85%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (33%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8435, 54.9243, 72.9402 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 49.8435, 54.9243, 72.9402 by changing the saturation by 10% instead.

■ 49.8435, 54.9243,
72.9402

■ 49.8435, 54.9243,
72.9402

376.5157,
405.6249, 489.8728

■ 35.5064, 39.3411,
53.4355

■ 89.1362, 97.4300,
125.1124

■ 24.2215, 27.0252,
37.7605

114.8224,
125.1214, 158.6171

■ 15.6237, 17.5921,
25.4964

145.0224,
157.6176, 197.6255

■ 9.3474, 10.6576,
16.2249

180.1014,
195.3030, 242.5562

■ 5.0274, 5.8371,
9.5274

220.4249,
238.5620, 293.8278

■ 2.2983, 2.7463,
4.9853

266.3583,

■ 0.7938, 1.0007,

287.7791, 351.8587

2.1800

318.2667,
343.3386, 417.0675

■ 0.0000, 0.0000,
0.6628

■ 0.0000, 0.0000,
0.0000

■ 49.8435, 54.9243,
72.9402

■ 49.8435, 54.9243,
72.9402

■ 43.7839, 49.2276,
72.1609

■ 56.7646, 61.2005,
73.7877

■ 38.5422, 44.0819,
71.4439

■ 64.5783, 68.0700,
74.7019

■ 34.0784, 39.4658,
70.7882

■ 73.3200, 75.5542,
75.6857

■ 30.3468, 35.3540,
70.1912

■ 82.1324, 83.2130,
76.6996

■ 27.2965, 31.7180,
69.6502

■ 84.3256, 87.5994,
77.4306

■ 24.8695, 28.5259,
69.1620

■ 86.6142, 92.1767,
78.1935

■ 22.9970, 25.7400,
68.7229

■ 88.9994, 96.9471,
78.9886

■ 21.6582, 23.4847,
68.3582

■ 89.3948, 97.7379,
79.1204

Harmonies

Analogous

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



48.0973, 54.9243, 67.2965



49.8435, 54.9243, 72.9402



52.2716, 54.9243, 74.9997

Triad

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



49.8435, 54.9243, 72.9402



57.2706, 54.9243, 59.6095



49.7299, 54.9243, 48.5152

Complementary

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



49.8435, 54.9243, 72.9402



53.4405, 53.0800, 45.9581

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.



52.1362, 54.9243, 46.8121



49.8435, 54.9243, 72.9402



56.5379, 54.9243, 52.8879

Square

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



49.8435, 54.9243, 72.9402



56.6093, 54.9243, 66.9338



54.6377, 54.9243, 48.3466



48.0332, 54.9243, 53.1980

Rectangle

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



49.8435, 54.9243, 72.9402



53.9667, 54.9243, 73.9411



54.6377, 54.9243, 48.3466



50.4799, 54.9243, 47.5931

Sweetspot

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



49.8451, 54.9265, 72.9414



87.9327, 93.7914, 108.0767



50.2944, 61.3479, 56.0651



18.6617, 19.9347, 23.1142



0.0000, 0.0000, 0.0000



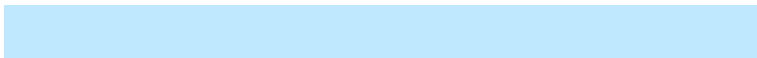
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8451, 54.9265, 72.9414



68.5503, 76.2317, 105.7090



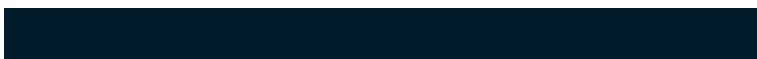
45.0611, 45.3584, 71.3467



12.4035, 13.3304, 15.8568



12.9244, 14.1106, 40.4956



0.8563, 1.0046, 2.4681

Inverse Universe

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



53.3084, 47.8961, 61.0813



74.5387, 64.4761, 85.1114



58.5324, 63.2639, 47.6554



12.7569, 12.5542, 14.6599



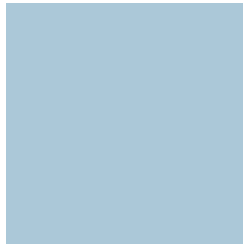
19.5825, 9.7693, 15.6374



1.2199, 0.6047, 1.1472

Previews

White Background



This preview shows how the XYZ color 49.8435, 54.9243, 72.9402 looks on a white background.

Color Contrast Check

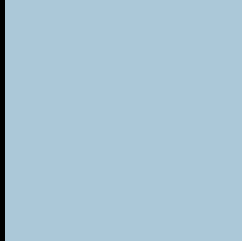
Large Text (above 18pt) WCAG AA × Fail

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 49.8435, 54.9243, 72.9402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

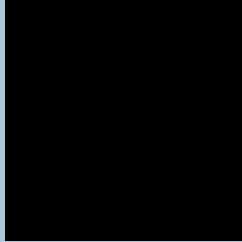
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8435, 54.9243, 72.9402

Background



This preview shows how black text looks on a background with the XYZ color 49.8435, 54.9243, 72.9402.



This preview shows how white text looks on a background with the XYZ color 49.8435, 54.9243,

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

49.8435, 54.9243, 72.9402

Protanopia

53.4236, 54.8064, 70.0503

Deuteranopia

55.9702, 54.7262, 73.9429



Tritanopia

49.8435, 54.9243, 72.9402

Trichromacy



Original Color

49.8435, 54.9243, 72.9402

Protanomaly

51.9999, 54.7231, 70.7727

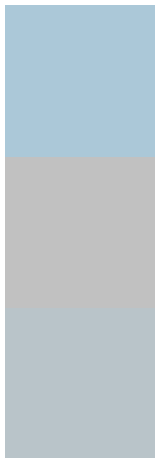
Deuteranomaly

53.5544, 54.7998, 73.4004

Tritanomaly

49.8435, 54.9243, 72.9402

Monochromacy



Original Color

49.8435, 54.9243, 72.9402

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2901, 54.0112, 63.0330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8435, 54.9243, 72.9402 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(171, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(171, 200, 216)  
}
```

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(171, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 200, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.8435, 54.9243, 72.9402 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(171, 200, 216) }
```


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

```
.border{ border-color:rgb(171, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 200, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 200, 216); box-shadow:4px 4px 4px 4px rgb(171, 200, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8435, 54.9243, 72.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 200, 216) }
```

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

```
.background{ background-color: rgb(171,  
200, 216) }
```

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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