

Converting Colors

XYZ(54.9985, 59.6587, 82.0678)

Have a look what the booklet for
XYZ(54.9985, 59.6587, 82.0678)
contains.

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Color

**XYZ(54.8973, 59.4473,
81.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CEE4
RGB	180, 206, 228
RGB Percent	71%, 81%, 89%
CMY	0.2941, 0.1921, 0.1059
CMYK	0.21, 0.10, 0.00, 0.11
HSL	207°, 47%, 80%
HSV	207°, 21%, 89%
XYZ	54.8973, 59.4473, 81.9799
YIQ	200.7340, -22.5580, 1.3300

Conversions

Conversions Part 2

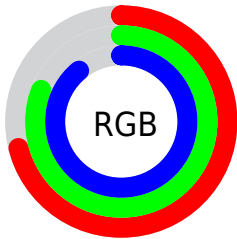
Format	Color
R _Y B	180, 197, 228
Decimal	11849444
CIE Lab	81.54, -4.02, -13.78
CIE LCh	82, 14.355, 253.735
Yxy	59.4473, 0.2796, 0.3028
Android (android.graphics.Color)	4290039524 (0xFFB4CEE4)
YUV	200.7340, 13.4421, -18.1837
Hunter-Lab	77.1021, -7.8352, -9.0695

Details

The XYZ color **54.8973, 59.4473, 81.9799** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.3544, 62.0307, 51.9208**, and the grayscale version is **55.2836, 58.1626, 63.3391**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **27.3752, 29.9092, 43.8654** is the 20% darker color. If you saturate the color by 10%, you get **47.5877, 52.0694, 80.9421**, and if you desaturate by 10%, it is **63.2508, 67.6146, 83.1170**.

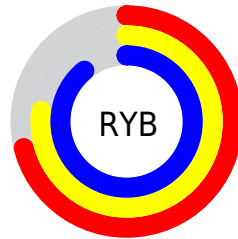
Distribution



Red (71%)

Green (81%)

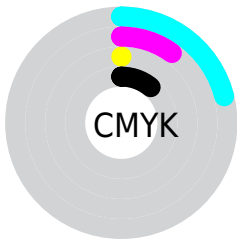
Blue (89%)



Red (71%)

Yellow (77%)

Blue (89%)

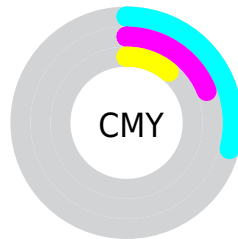


Cyan (21%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8973, 59.4473, 81.9799 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 54.8973, 59.4473, 81.9799 by changing the saturation by 10% instead.

■ 54.8973, 59.4473,
81.9799

■ 54.8973, 59.4473,
81.9799

395.6653,
422.5575, 521.4621

■ 39.5530, 42.9733,
60.8133

■ 96.5397, 104.0275,
137.9822

■ 27.3729, 29.8642,
43.6449

123.5685,
132.9025, 173.6550

■ 17.9915, 19.7355,
30.0563

155.2228,
166.6799, 215.0002

■ 11.0435, 12.2029,
19.6289

191.8681,
205.7442, 262.4365

■ 6.1636, 6.8820,
11.9442

233.8696,
250.4797, 316.3822

■ 2.9864, 3.3884,
6.5836

281.5927,

■ 1.1466, 1.3377,

301.2708, 377.2561

3.1286

335.4028,
358.5019, 445.4765

■ 0.0636, 0.1701,
1.1607

■ 0.0000, 0.0000,
0.0000

■ 54.8973, 59.4473,
81.9799

■ 54.8973, 59.4473,
81.9799

■ 47.5877, 52.0694,
80.9421

■ 63.2508, 67.6146,
83.1170

■ 41.2707, 45.4453,
79.9964

■ 72.6858, 76.5908,
84.3524

■ 35.8987, 39.5468,
79.1410

■ 83.2443, 86.4037,
85.6899

■ 31.4173, 34.3410,
78.3724

■ 88.7498, 93.8736,
86.8416

■ 27.7665, 29.7915,
77.6867

■ 91.0038, 98.3815,
87.5929

■ 24.8776, 25.8575,
77.0796

■ 22.6690, 22.4914,
76.5463

■ 21.1503, 19.8945,
76.1251

Harmonies

Analogous

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



52.4233, 59.4473, 76.8768



54.8973, 59.4473, 81.9799



57.8883, 59.4473, 82.2018

Triad

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



54.8973, 59.4473, 81.9799



62.3137, 59.4473, 60.8716



52.5953, 59.4473, 53.4748

Complementary

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



54.8973, 59.4473, 81.9799



61.3544, 62.0307, 51.9208

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.



55.1398, 59.4473, 49.9245



54.8973, 59.4473, 81.9799



60.7888, 59.4473, 53.9317

Square

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



54.8973, 59.4473, 81.9799



62.2431, 59.4473, 69.4824



58.1395, 59.4473, 50.0840



51.1269, 59.4473, 60.1956

Rectangle

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



54.8973, 59.4473, 81.9799



59.7785, 59.4473, 79.5143



58.1395, 59.4473, 50.0840



53.3492, 59.4473, 51.8988

Sweetspot

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



54.8991, 59.4497, 81.9812



87.4472, 92.8203, 107.9149



57.1804, 69.4366, 66.0193



18.5469, 19.7051, 23.0759



0.0000, 0.0000, 0.0000



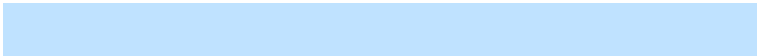
20.3446, 21.4041, 23.3091

Same Dimension

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



54.8991, 59.4497, 81.9812



66.7365, 72.6042, 105.1044



49.6373, 48.9262, 80.2273



14.2264, 15.1743, 18.3234



12.3328, 11.7277, 43.9968



1.0040, 1.0520, 3.2821

Inverse Universe

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



59.4582, 53.5942, 65.6061



73.6232, 64.1099, 80.2903



67.3219, 73.9658, 53.9100



14.7019, 14.4979, 16.6305



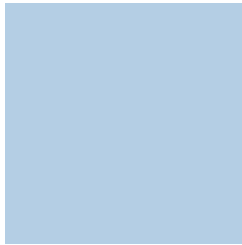
20.6185, 10.3816, 12.1521



1.5704, 0.7859, 1.1443

Previews

White Background



This preview shows how the XYZ color 54.8973, 59.4473, 81.9799 looks on a white background.

Color Contrast Check

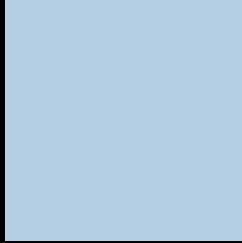
Large Text (above 18pt) WCAG AA × Fail

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 54.8973, 59.4473, 81.9799 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

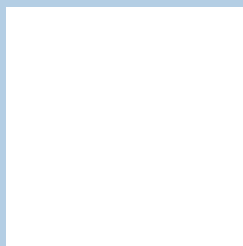
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.8973, 59.4473, 81.9799

Background



This preview shows how black text looks on a background with the XYZ color 54.8973, 59.4473, 81.9799.



This preview shows how white text looks on a background with the XYZ color 54.8973, 59.4473,

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

54.8973, 59.4473, 81.9799

Protanopia

58.0304, 59.3516, 79.6316

Deuteranopia

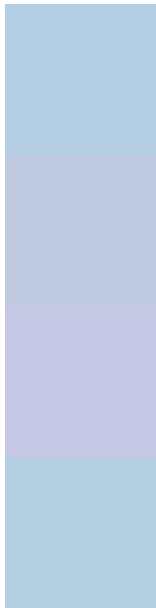
60.5437, 59.2010, 83.0988



Tritanopia

54.2225, 59.5371, 78.4460

Trichromacy



Original Color

54.8973, 59.4473, 81.9799

Protanomaly

56.8216, 59.4093, 80.4238

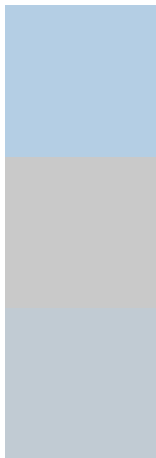
Deuteranomaly

58.0858, 58.9715, 82.4499

Tritanomaly

54.4938, 59.6456, 79.8748

Monochromacy



Original Color

54.8973, 59.4473, 81.9799

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

55.1061, 58.7525, 70.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8973, 59.4473, 81.9799 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(180, 206, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 228)  
}
```

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(180, 206, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 228) }
```

Border

The CSS property to change the border of an element to XYZ 54.8973, 59.4473, 81.9799 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(180, 206, 228) }
```


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

```
.border{ border-color:rgb(180, 206, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8973, 59.4473, 81.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 228) }
```

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

```
.background{ background-color: rgb(180,  
206, 228) }
```

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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