

Converting Colors

XYZ(48.9898, 53.5073, 70.6967)

Have a look what the booklet for
XYZ(48.9898, 53.5073, 70.6967)
contains.

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Color

**XYZ(48.9898, 53.5073,
70.6967)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC5D5
RGB	172, 197, 213
RGB Percent	67%, 77%, 84%
CMY	0.3255, 0.2274, 0.1647
CMYK	0.19, 0.08, 0.00, 0.16
HSL	203°, 33%, 75%
HSV	203°, 19%, 84%
XYZ	48.9898, 53.5073, 70.6967
YIQ	191.3490, -20.0360, -0.3240

Conversions

Conversions Part 2

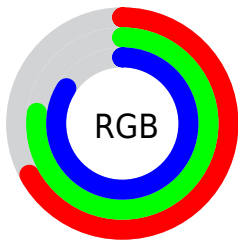
Format	Color
R_{YB}	172, 188, 213
Decimal	11322837
CIE _{Lab}	78.17, -5.03, -10.82
CIE _{LCh}	78, 11.929, 245.060
Yxy	53.5073, 0.2829, 0.3089
Android (android.graphics.Color)	4289512917 (0xFFACC5D5)
YUV	191.3490, 10.6739, -16.9691
Hunter-Lab	73.1487, -8.4636, -6.0985

Details

The XYZ color **48.9898, 53.5073, 70.6967** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.8707, 53.0912, 46.4920**, and the grayscale version is **49.6734, 52.2603, 56.9115**.

A 20% lighter version of the original color is **85.4867, 94.5976, 108.3613**, and **23.6018, 26.0355, 36.1292** is the 20% darker color. If you saturate the color by 10%, you get **42.8494, 47.6184, 69.8845**, and if you desaturate by 10%, it is **55.9867, 59.9950, 71.5810**.

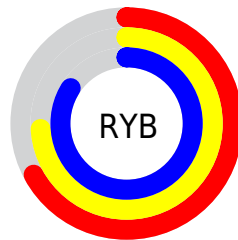
Distribution



Red (67%)

Green (77%)

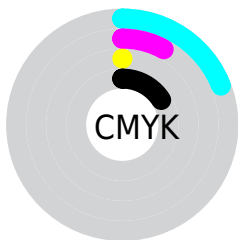
Blue (84%)



Red (67%)

Yellow (74%)

Blue (84%)

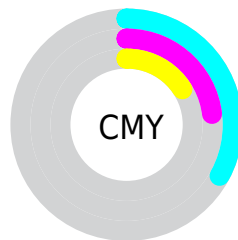


Cyan (19%)

Magenta (8%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (23%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9898, 53.5073, 70.6967 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 48.9898, 53.5073, 70.6967 by changing the saturation by 10% instead.

■ 48.9898, 53.5073,
70.6967

■ 48.9898, 53.5073,
70.6967

373.2198,
400.2284, 481.8475

■ 34.8259, 38.2079,
51.6144

■ 87.8771, 95.3504,
121.8922

■ 23.6947, 26.1441,
36.3177

113.3312,
122.6630, 154.8424

■ 15.2308, 16.9315,
24.3880

143.2795,
154.7487, 193.2525

■ 9.0689, 10.1856,
15.4069

178.0872,
191.9919, 237.5407

■ 4.8436, 5.5222,
8.9556

218.1197,
234.7771, 288.1259

■ 2.1896, 2.5568,
4.6158

263.7424,

■ 0.7373, 0.9050,

283.4887, 345.4263

1.9689

315.3207,
338.5110, 409.8607

■ 0.0000, 0.0000,
0.5361

■ 0.0000, 0.0000,
0.0000

■ 48.9898, 53.5073,
70.6967

■ 48.9898, 53.5073,
70.6967

■ 42.8494, 47.6184,
69.8845

■ 55.9867, 59.9950,
71.5810

■ 37.5234, 42.2999,
69.1387

■ 63.8703, 67.0953,
72.5360

■ 32.9732, 37.5309,
68.4580

■ 72.6748, 74.8296,
73.5648

■ 29.1550, 33.2861,
67.8399

■ 81.6163, 82.7960,
74.6312

■ 26.0200, 29.5377,
67.2816

■ 83.9880, 87.5393,
75.4218

■ 23.5130, 26.2546,
66.7800

■ 86.4715, 92.5063,
76.2496

■ 21.5691, 23.4004,
66.3316

■ 89.0104, 97.5842,
77.0959

■ 20.0819, 20.9175,
65.9307

■ 19.9786, 20.7406,
65.9020

Harmonies

Analogous

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



47.2746, 53.5073, 65.9523



48.9898, 53.5073, 70.6967



51.2536, 53.5073, 72.0101

Triad

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



48.9898, 53.5073, 70.6967



55.4553, 53.5073, 57.1351



48.3247, 53.5073, 48.3689

Complementary

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



48.9898, 53.5073, 70.6967



52.8707, 53.0912, 46.4920

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.



50.4626, 53.5073, 46.3828



48.9898, 53.5073, 70.6967



54.6162, 53.5073, 51.1910

Square

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



48.9898, 53.5073, 70.6967



55.0319, 53.5073, 63.8444



52.7712, 53.5073, 47.3753



46.8989, 53.5073, 53.0118

Rectangle

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



48.9898, 53.5073, 70.6967



52.7800, 53.5073, 70.6838



52.7712, 53.5073, 47.3753



48.9815, 53.5073, 47.3852

Sweetspot

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



48.9914, 53.5095, 70.6979



87.7684, 93.4628, 108.0220



49.8552, 59.9788, 56.3675



18.6228, 19.8570, 23.1012



0.0000, 0.0000, 0.0000



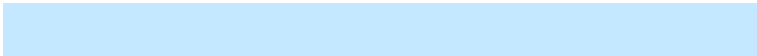
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9914, 53.5095, 70.6979



69.7953, 76.7811, 105.7494



44.7040, 44.9347, 69.2688



12.3665, 13.2565, 15.8445



12.3055, 12.8729, 40.2893



0.8216, 0.9352, 2.4565

Inverse Universe

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



52.2725, 47.6837, 59.2746



75.6409, 66.7307, 85.3237



57.4967, 62.3432, 48.0340



12.7382, 12.5468, 14.5616



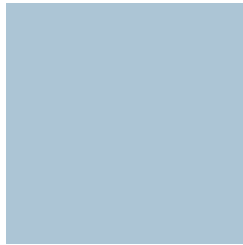
19.2701, 9.6444, 13.9924



1.2024, 0.5977, 1.0550

Previews

White Background



This preview shows how the XYZ color 48.9898, 53.5073, 70.6967 looks on a white background.

Color Contrast Check

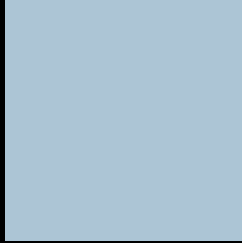
Large Text (above 18pt) WCAG AA × Fail

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 48.9898, 53.5073, 70.6967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

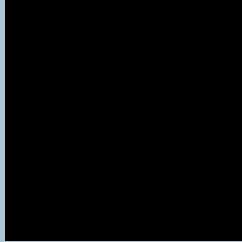
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

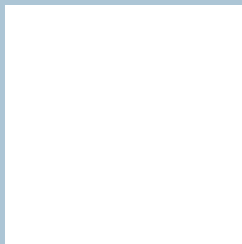
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9898, 53.5073, 70.6967

Background



This preview shows how black text looks on a background with the XYZ color 48.9898, 53.5073, 70.6967.



This preview shows how white text looks on a background with the XYZ color 48.9898, 53.5073,

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

48.9898, 53.5073, 70.6967

Protanopia

52.2207, 53.5589, 68.5583

Deuteranopia

54.6061, 53.4293, 71.7248



Tritanopia

48.9898, 53.5073, 70.6967

Trichromacy



Original Color

48.9898, 53.5073, 70.6967

Protanomaly

51.0572, 53.6010, 69.2830

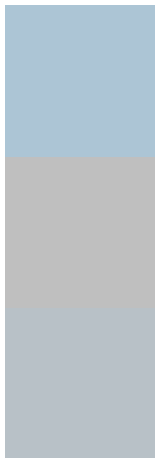
Deuteranomaly

52.2543, 53.1930, 71.1315

Tritanomaly

48.9898, 53.5073, 70.6967

Monochromacy



Original Color

48.9898, 53.5073, 70.6967

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1459, 52.4538, 61.5672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9898, 53.5073, 70.6967 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(172, 197, 213)` looks like.

```
.text, #text, p{  
    color:rgb(172, 197, 213)  
}
```

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(172, 197, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 197, 213) }
```

Border

The CSS property to change the border of an element to XYZ 48.9898, 53.5073, 70.6967 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(172, 197, 213) }
```


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

```
.border{ border-color:rgb(172, 197, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 197, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 197, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 197, 213);  
box-shadow:4px 4px 4px 4px rgb(172, 197,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9898, 53.5073, 70.6967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 197, 213) }
```

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

```
.background{ background-color: rgb(172,  
197, 213) }
```

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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