

Converting Colors

XYZ(48.7692, 52.9697, 74.3526)

Have a look what the booklet for
XYZ(48.7692, 52.9697, 74.3526)
contains.

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Color

**XYZ(48.8883, 53.0293,
74.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C4DB
RGB	169, 196, 219
RGB Percent	66%, 77%, 86%
CMY	0.3372, 0.2314, 0.1412
CMYK	0.23, 0.11, 0.00, 0.14
HSL	208°, 41%, 76%
HSV	208°, 23%, 86%
XYZ	48.8883, 53.0293, 74.6768
YIQ	190.5490, -23.4750, 1.4290

Conversions

Conversions Part 2

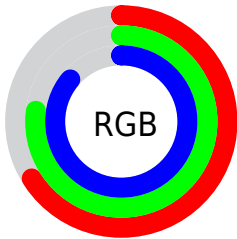
Format	Color
R _Y B	169, 187, 219
Decimal	11125979
CIE Lab	77.89, -4.09, -14.49
CIE LCh	78, 15.060, 254.223
Yxy	53.0293, 0.2768, 0.3003
Android (android.graphics.Color)	4289316059 (0xFFA9C4DB)
YUV	190.5490, 14.0263, -18.8985
Hunter-Lab	72.8212, -7.6017, -9.8259

Details

The XYZ color **48.8883, 53.0293, 74.6768** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2251, 55.6242, 45.3633**, and the grayscale version is **49.1927, 51.7546, 56.3607**.

A 20% lighter version of the original color is **84.2266, 93.4781, 108.2116**, and **23.5763, 25.7393, 38.8475** is the 20% darker color. If you saturate the color by 10%, you get **42.3817, 46.4157, 73.7441**, and if you desaturate by 10%, it is **56.3376, 60.3580, 75.6996**.

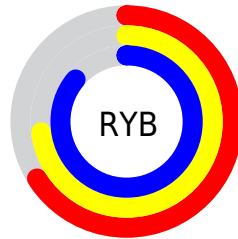
Distribution



Red (66%)

Green (77%)

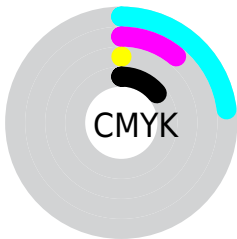
Blue (86%)



Red (66%)

Yellow (73%)

Blue (86%)

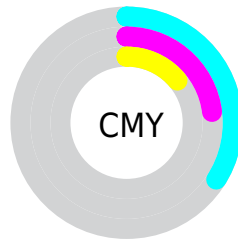


Cyan (23%)

Magenta (11%)

Yellow (0%)

Black (14%)



Cyan (34%)

Magenta (23%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8883, 53.0293, 74.6768 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 48.8883, 53.0293, 74.6768 by changing the saturation by 10% instead.

■ 48.8883, 53.0293,
74.6768

■ 48.8883, 53.0293,
74.6768

372.8267,
398.3975, 496.0317

■ 34.7451, 37.8262,
54.8480

■ 87.7273, 94.6475,
127.5976

■ 23.6321, 25.8478,
38.8823

113.1537,
121.8313, 161.5268

■ 15.1842, 16.7098,
26.3610

143.0718,
153.7775, 200.9931

■ 9.0359, 10.0278,
16.8657

177.8471,
190.8704, 246.4152

■ 4.8219, 5.4174,
9.9779

217.8449,
233.4945, 298.2115

■ 2.1768, 2.4942,
5.2789

263.4305,

■ 0.7305, 0.8737,

282.0341, 356.8007

2.3502

314.9693,
336.8737, 422.6013

■ 0.0000, 0.0000,
0.7591

■ 0.0000, 0.0000,
0.0000

■ 48.8883, 53.0293,
74.6768

■ 48.8883, 53.0293,
74.6768

■ 42.3817, 46.4157,
73.7441

■ 56.3376, 60.3580,
75.6996

■ 36.7708, 40.4846,
72.8950

■ 64.7642, 68.4200,
76.8116

■ 32.0116, 35.2101,
72.1277

■ 74.2065, 77.2405,
78.0165

■ 28.0543, 30.5618,
71.4391

■ 84.1073, 86.5364,
79.2890

■ 24.8430, 26.5060,
70.8255

■ 87.0947, 92.5113,
80.2848

■ 22.3140, 23.0050,
70.2830

■ 89.7863, 97.8945,
81.1820

■ 20.3910, 20.0141,
69.8071

■ 19.2965, 18.1349,
69.5020

Harmonies

Analogous

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



46.4771, 53.0293, 69.7238



48.8883, 53.0293, 74.6768



51.7979, 53.0293, 74.8112

Triad

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



48.8883, 53.0293, 74.6768



56.0560, 53.0293, 53.8706



46.5794, 53.0293, 46.9446

Complementary

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



48.8883, 53.0293, 74.6768



55.2251, 55.6242, 45.3633

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.



49.0329, 53.0293, 43.4858



48.8883, 53.0293, 74.6768



54.5435, 53.0293, 47.2144

Square

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



48.8883, 53.0293, 74.6768



56.0136, 53.0293, 62.2331



51.9482, 53.0293, 43.5795



45.1797, 53.0293, 53.4683

Rectangle

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



48.8883, 53.0293, 74.6768



53.6339, 53.0293, 72.1153



51.9482, 53.0293, 43.5795



47.3040, 53.0293, 45.4143

Sweetspot

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



48.8899, 53.0315, 74.6780



86.2216, 91.6433, 107.7523



51.1539, 62.8827, 59.0219



18.2992, 19.4665, 23.0429



0.0000, 0.0000, 0.0000



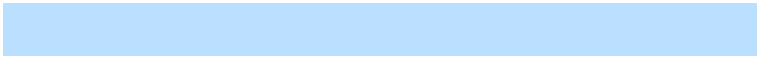
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8899, 53.0315, 74.6780



64.8125, 70.6307, 104.8248



43.8072, 42.8659, 72.9838



12.9183, 13.7763, 16.6304



11.5526, 10.9747, 41.2478



0.8343, 0.8827, 2.7009

Inverse Universe

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



53.3665, 47.4229, 58.5677



72.1946, 61.7867, 78.1677



61.0600, 67.2939, 47.3083



13.3486, 13.1685, 15.0970



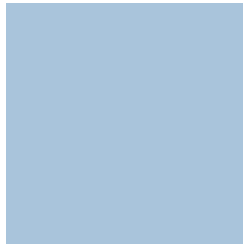
19.3266, 9.7317, 11.3656



1.2954, 0.6478, 0.9645

Previews

White Background



This preview shows how the XYZ color 48.8883, 53.0293, 74.6768 looks on a white background.

Color Contrast Check

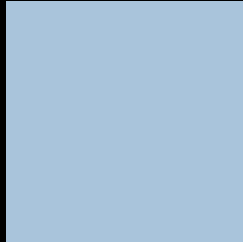
Large Text (above 18pt) WCAG AA × Fail

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 48.8883, 53.0293, 74.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

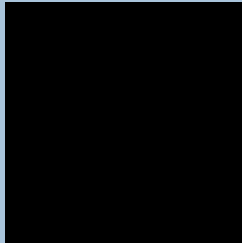
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

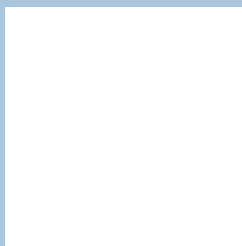
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8883, 53.0293, 74.6768

Background



This preview shows how black text looks on a background with the XYZ color 48.8883, 53.0293, 74.6768.



This preview shows how white text looks on a background with the XYZ color 48.8883, 53.0293,

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

48.8883, 53.0293, 74.6768

Protanopia

52.0117, 53.0383, 72.4618

Deuteranopia

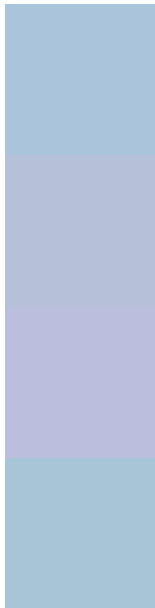
53.8474, 52.6314, 75.7274



Tritanopia

48.1249, 53.0614, 70.6562

Trichromacy



Original Color

48.8883, 53.0293, 74.6768

Protanomaly

50.8858, 53.0948, 73.2120

Deuteranomaly

51.8252, 52.5590, 75.1236

Tritanomaly

48.3804, 53.1636, 72.0017

Monochromacy



Original Color

48.8883, 53.0293, 74.6768

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1410, 52.4243, 62.7872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8883, 53.0293, 74.6768 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(169, 196, 219)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 219)  
}
```

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(169, 196, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.8883, 53.0293, 74.6768 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(169, 196, 219) }
```


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

```
.border{ border-color:rgb(169, 196, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 219);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8883, 53.0293, 74.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 219) }
```

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

```
.background{ background-color: rgb(169,  
196, 219) }
```

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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