

Converting Colors

XYZ(48.1328, 52.3150, 73.2072)

Have a look what the booklet for
XYZ(48.1328, 52.3150, 73.2072)
contains.

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Color

**XYZ(48.1879, 52.3648,
73.2133)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C3D9
RGB	168, 195, 217
RGB Percent	66%, 76%, 85%
CMY	0.3412, 0.2353, 0.1490
CMYK	0.23, 0.10, 0.00, 0.15
HSL	207°, 39%, 75%
HSV	207°, 23%, 85%
XYZ	48.1879, 52.3648, 73.2133
YIQ	189.4350, -23.1540, 1.1180

Conversions

Conversions Part 2

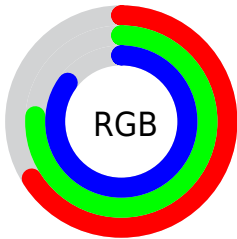
Format	Color
RYB	168, 185, 217
Decimal	11060185
CIELab	77.50, -4.32, -14.01
CIELCh	77, 14.662, 252.866
Yxy	52.3648, 0.2773, 0.3014
Android (android.graphics.Color)	4289250265 (0xFFA8C3D9)
YUV	189.4350, 13.5895, -18.7985
Hunter-Lab	72.3635, -7.7705, -9.3318

Details

The XYZ color **48.1879, 52.3648, 73.2133** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0971, 54.4058, 44.6970**, and the grayscale version is **48.5542, 51.0828, 55.6291**.

A 20% lighter version of the original color is **83.6009, 92.6881, 108.0921**, and **23.1167, 25.3032, 37.8480** is the 20% darker color. If you saturate the color by 10%, you get **41.8363, 45.9563, 72.3120**, and if you desaturate by 10%, it is **55.4561, 59.4599, 74.2006**.

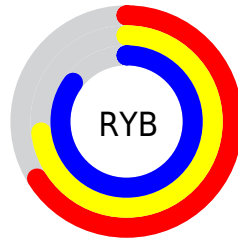
Distribution



Red (66%)

Green (76%)

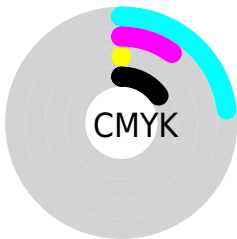
Blue (85%)



Red (66%)

Yellow (73%)

Blue (85%)

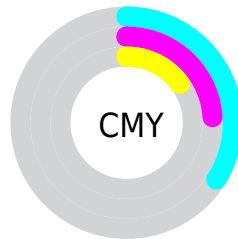


Cyan (23%)

Magenta (10%)

Yellow (0%)

Black (15%)



Cyan (34%)

Magenta (24%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1879, 52.3648, 73.2133 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 48.1879, 52.3648, 73.2133 by changing the saturation by 10% instead.

■ 48.1879, 52.3648,
73.2133

■ 48.1879, 52.3648,
73.2133

370.1066,
395.8433, 490.8443

■ 34.1876, 37.2959,
53.6575

■ 86.6921, 93.6690,
125.5037

■ 23.2013, 25.4367,
37.9366

■ 111.9267,
120.6732, 159.0754

■ 14.8637, 16.4027,
25.6320

141.6368,
152.4245, 198.1561

■ 8.8095, 9.8096,
16.3253

176.1877,
189.3075, 243.1644

■ 4.6732, 5.2729,
9.5978

215.9448,
231.7065, 294.5189

■ 2.0896, 2.4082,
5.0310

261.2734,

■ 0.6836, 0.8301,

280.0058, 352.6380

2.2064

312.5389,
334.5900, 417.9403

■ 0.0000, 0.0000,
0.6781

■ 0.0000, 0.0000,
0.0000

■ 48.1879, 52.3648,
73.2133

■ 48.1879, 52.3648,
73.2133

■ 41.8363, 45.9563,
72.3120

■ 55.4561, 59.4599,
74.2006

■ 36.3554, 40.2028,
71.4903

■ 63.6742, 67.2586,
75.2727

■ 31.7028, 35.0795,
70.7466

■ 72.8798, 75.7856,
76.4334

■ 27.8298, 30.5573,
70.0779

■ 83.1067, 85.0619,
77.6849

■ 24.6824, 26.6038,
69.4807

■ 86.0291, 90.7989,
78.6382

■ 22.1988, 23.1826,
68.9512

■ 89.0337, 96.8082,
79.6398

■ 20.3050, 20.2508,
68.4851

■ 89.5246, 97.7898,
79.8034

■ 19.1909, 18.3426,
68.1755

Harmonies

Analogous

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



45.8948, 52.3648, 68.2685



48.1879, 52.3648, 73.2133



50.9907, 52.3648, 73.5681

Triad

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



48.1879, 52.3648, 73.2133



55.2571, 52.3648, 53.6217



46.1663, 52.3648, 46.3567

Complementary

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



48.1879, 52.3648, 73.2133



54.0971, 54.4058, 44.6970

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.



48.5713, 52.3648, 43.1544



48.1879, 52.3648, 73.2133



53.8599, 52.3648, 47.0740

Square

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



48.1879, 52.3648, 73.2133



55.1450, 52.3648, 61.7236



51.3887, 52.3648, 43.4039



44.7583, 52.3648, 52.5548

Rectangle

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



48.1879, 52.3648, 73.2133



52.7778, 52.3648, 71.1076



51.3887, 52.3648, 43.4039



46.8810, 52.3648, 44.9217

Sweetspot

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



48.1895, 52.3669, 73.2145



86.2818, 91.7637, 107.7724



50.1730, 61.6358, 57.5305



18.3131, 19.4944, 23.0475



0.0000, 0.0000, 0.0000



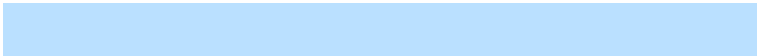
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1895, 52.3669, 73.2145



65.0163, 71.0382, 104.8928



43.2872, 42.5624, 71.5804



12.9305, 13.8008, 16.6345



11.7240, 11.3175, 41.3050



0.8451, 0.9044, 2.7045

Inverse Universe

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



52.4695, 46.6983, 57.8804



72.2974, 61.8278, 78.7093



59.6632, 65.5381, 46.5524



13.3548, 13.1710, 15.1297



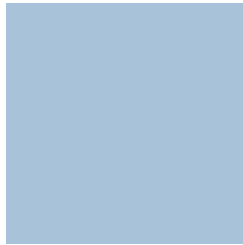
19.4131, 9.7663, 11.8212



1.3009, 0.6500, 0.9933

Previews

White Background



This preview shows how the XYZ color 48.1879, 52.3648, 73.2133 looks on a white background.

Color Contrast Check

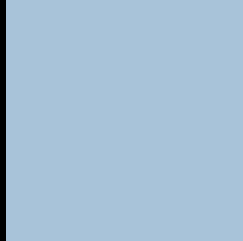
Large Text (above 18pt) WCAG AA × Fail

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 48.1879, 52.3648, 73.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

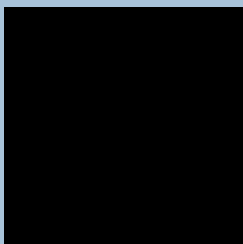
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

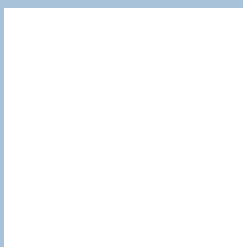
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1879, 52.3648, 73.2133

Background



This preview shows how black text looks on a background with the XYZ color 48.1879, 52.3648, 73.2133.



This preview shows how white text looks on a background with the XYZ color 48.1879, 52.3648,

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

48.1879, 52.3648, 73.2133

Protanopia

51.2901, 52.3733, 71.0241

Deuteranopia

53.3710, 52.1026, 74.2617



Tritanopia

47.5599, 52.4488, 69.9043

Trichromacy



Original Color

48.1879, 52.3648, 73.2133

Protanomaly

50.1714, 52.4293, 71.7655

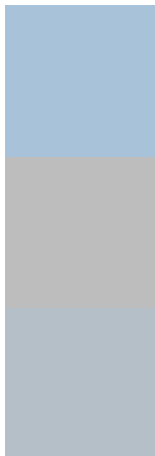
Deuteranomaly

51.1022, 51.8963, 73.6533

Tritanomaly

47.8139, 52.5504, 71.2415

Monochromacy



Original Color

48.1879, 52.3648, 73.2133

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9957, 51.2089, 61.3875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1879, 52.3648, 73.2133 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(168, 195, 217)` looks like.

```
.text, #text, p{  
    color:rgb(168, 195, 217)  
}
```

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(168, 195, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 195, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.1879, 52.3648, 73.2133 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(168, 195, 217) }
```


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

```
.border{ border-color:rgb(168, 195, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 195, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 195, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 195, 217);  
box-shadow:4px 4px 4px 4px rgb(168, 195,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1879, 52.3648, 73.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 195, 217) }
```

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

```
.background{ background-color: rgb(168,  
195, 217) }
```

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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