

Converting Colors

XYZ(48.4973, 53.6495, 68.1209)

Have a look what the booklet for
XYZ(48.4973, 53.6495, 68.1209)
contains.

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Color

**XYZ(48.4973, 53.6495,
68.1209)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC6D1
RGB	171, 198, 209
RGB Percent	67%, 78%, 82%
CMY	0.3294, 0.2235, 0.1804
CMYK	0.18, 0.05, 0.00, 0.18
HSL	197°, 29%, 75%
HSV	197°, 18%, 82%
XYZ	48.4973, 53.6495, 68.1209
YIQ	191.1810, -19.6230, -2.3030

Conversions

Conversions Part 2

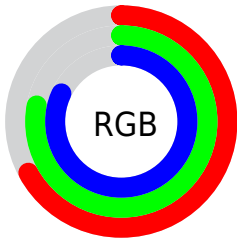
Format	Color
R_{YB}	171, 187, 209
Decimal	11257553
CIE _{Lab}	78.26, -6.74, -8.54
CIE _{LCh}	78, 10.880, 231.741
Yxy	53.6495, 0.2848, 0.3151
Android (android.graphics.Color)	4289447633 (0xFFABC6D1)
YUV	191.1810, 8.7848, -17.6987
Hunter-Lab	73.2458, -9.9923, -3.8695

Details

The XYZ color **48.4973, 53.6495, 68.1209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3737, 49.9516, 45.5159**, and the grayscale version is **49.5863, 52.1686, 56.8116**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **23.3609, 26.1646, 34.8294** is the 20% darker color. If you saturate the color by 10%, you get **42.9451, 48.7769, 67.4739**, and if you desaturate by 10%, it is **54.8277, 59.0081, 68.8224**.

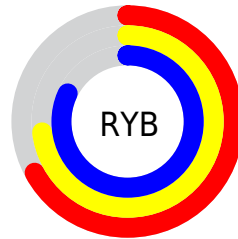
Distribution



Red (67%)

Green (78%)

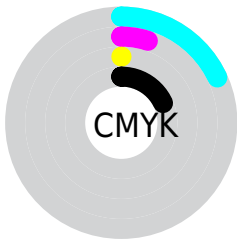
Blue (82%)



Red (67%)

Yellow (73%)

Blue (82%)

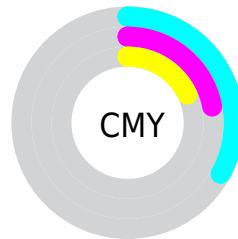


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (22%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4973, 53.6495, 68.1209 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 48.4973, 53.6495, 68.1209 by changing the saturation by 10% instead.

■ 48.4973, 53.6495,
68.1209

■ 48.4973, 53.6495,
68.1209

371.3098,
400.7720, 472.5339

■ 34.4338, 38.3215,
49.5288

■ 87.1496, 95.5594,
118.1809

■ 23.3915, 26.2323,
34.6706

112.4691,
122.9101, 150.4859

■ 15.0051, 16.9975,
23.1277

142.2712,
155.0372, 188.1990

■ 8.9093, 10.2327,
14.4817

176.9214,
192.3251, 231.7386

■ 4.7387, 5.5535,
8.3139

216.7850,
235.1581, 281.5234

■ 2.1280, 2.5756,
4.2058

262.2274,

■ 0.7043, 0.9144,

283.9207, 337.9719

1.7389

313.6139,
338.9972, 401.5025

■ 0.0000, 0.0000,
0.3872

■ 0.0000, 0.0000,
0.0000

■ 48.4973, 53.6495,
68.1209

■ 48.4973, 53.6495,
68.1209

■ 42.9451, 48.7769,
67.4739

■ 54.8277, 59.0081,
68.8224

■ 38.1320, 44.3649,
66.8760

■ 61.9638, 64.8634,
69.5765

■ 34.0225, 40.3958,
66.3264

■ 69.9373, 71.2344,
70.3860

■ 30.5761, 36.8476,
65.8232

■ 78.7770, 78.1365,
71.2523

■ 27.7479, 33.6961,
65.3640

■ 80.5604, 81.4867,
71.8050

■ 25.4872, 30.9143,
64.9462

■ 82.2560, 84.8780,
72.3702

■ 23.7344, 28.4704,
64.5669

■ 84.0106, 88.3870,
72.9550

■ 22.4013, 26.3178,
64.2216

■ 85.8245, 92.0149,
73.5597

■ 22.1795, 25.9450,
64.1614

■ 87.6983, 95.7626,
74.1843

Harmonies

Analogous

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



47.2808, 53.6495, 62.8699



48.4973, 53.6495, 68.1209



50.4060, 53.6495, 70.8127

Triad

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



48.4973, 53.6495, 68.1209



55.1549, 53.6495, 60.1168



49.4897, 53.6495, 48.1806

Complementary

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



48.4973, 53.6495, 68.1209



50.3737, 49.9516, 45.5159

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.



51.5830, 53.6495, 47.5563



48.4973, 53.6495, 68.1209



54.8930, 53.6495, 54.1760

Square

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



48.4973, 53.6495, 68.1209



54.2772, 53.6495, 65.9857



53.5713, 53.6495, 49.6781



47.8425, 53.6495, 51.4471

Rectangle

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



48.4973, 53.6495, 68.1209



51.8305, 53.6495, 70.6720



53.5713, 53.6495, 49.6781



50.1631, 53.6495, 47.6644

Sweetspot

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



48.4989, 53.6517, 68.1221



89.3479, 95.3297, 108.2991



48.0155, 57.6276, 52.7233



18.9583, 20.2675, 23.1628



0.0000, 0.0000, 0.0000



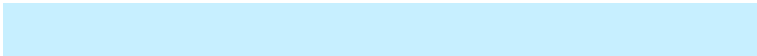
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4989, 53.6517, 68.1221



72.3741, 80.9434, 106.4169



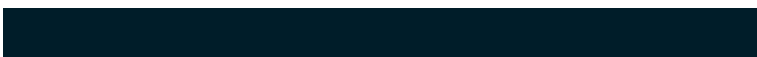
44.4712, 45.5964, 66.7796



11.8573, 12.8049, 15.0903



13.7634, 16.1734, 39.5889



0.8359, 1.0370, 2.2357

Inverse Universe

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



51.0517, 46.7596, 59.7633



77.1856, 68.2789, 90.5897



54.4784, 58.1612, 46.8842



12.1589, 11.9483, 14.1124



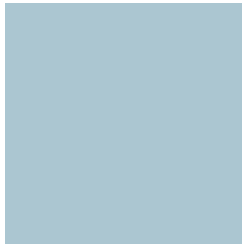
19.5779, 9.7040, 18.4810



1.1282, 0.5560, 1.2097

Previews

White Background



This preview shows how the XYZ color 48.4973, 53.6495, 68.1209 looks on a white background.

Color Contrast Check

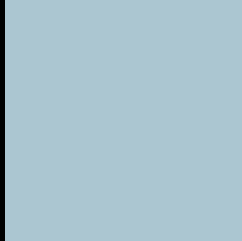
Large Text (above 18pt) WCAG AA × Fail

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 48.4973, 53.6495, 68.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

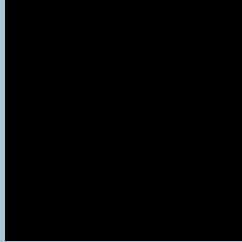
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

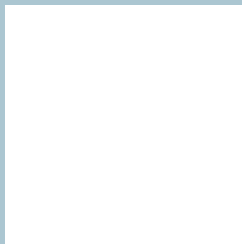
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4973, 53.6495, 68.1209

Background



This preview shows how black text looks on a background with the XYZ color 48.4973, 53.6495, 68.1209.

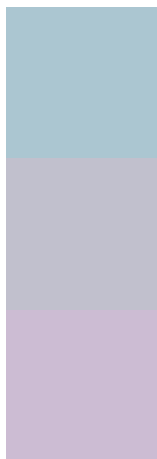


This preview shows how white text looks on a background with the XYZ color 48.4973, 53.6495,

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

48.4973, 53.6495, 68.1209

Protanopia

51.8614, 53.4445, 65.3400

Deuteranopia

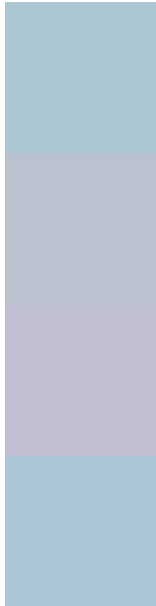
54.6429, 53.5070, 69.0759



Tritanopia

48.9898, 53.5073, 70.6967

Trichromacy



Original Color

48.4973, 53.6495, 68.1209

Protanomaly

50.4399, 53.3541, 66.0324

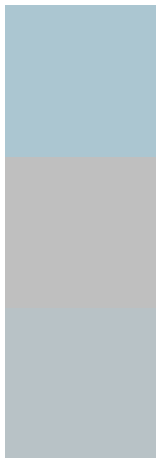
Deuteranomaly

52.2207, 53.5589, 68.5583

Tritanomaly

48.8632, 53.4566, 70.0302

Monochromacy



Original Color

48.4973, 53.6495, 68.1209

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2520, 52.8511, 61.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4973, 53.6495, 68.1209 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, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 209)  
}
```

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, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.4973, 53.6495, 68.1209 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, 198, 209) }
```


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

```
.border{ border-color:rgb(171, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 198, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 198, 209); box-shadow:4px 4px 4px 4px rgb(171, 198, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4973, 53.6495, 68.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 209) }
```

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

```
.background{ background-color: rgb(171,  
198, 209) }
```

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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