

Converting Colors

XYZ(49.7261, 53.5447, 68.8183)

Have a look what the booklet for
XYZ(49.7261, 53.5447, 68.8183)
contains.

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Color

**XYZ(49.7329, 53.5980,
68.6970)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C4D2
RGB	178, 196, 210
RGB Percent	70%, 77%, 82%
CMY	0.3020, 0.2314, 0.1765
CMYK	0.15, 0.07, 0.00, 0.18
HSL	206°, 26%, 76%
HSV	206°, 15%, 82%
XYZ	49.7329, 53.5980, 68.6970
YIQ	192.2140, -15.2220, 0.5380

Conversions

Conversions Part 2

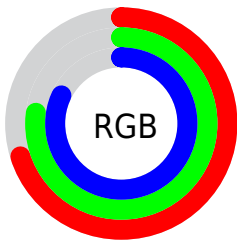
Format	Color
R_{YB}	178, 190, 210
Decimal	11715794
CIE Lab	78.23, -3.24, -9.08
CIE LCh	78, 9.638, 250.341
Yxy	53.5980, 0.2891, 0.3116
Android (android.graphics.Color)	4289905874 (0xFFB2C4D2)
YUV	192.2140, 8.7685, -12.4657
Hunter-Lab	73.2107, -6.8614, -4.3871

Details

The XYZ color **49.7329, 53.5980, 68.6970** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.4642, 54.6151, 49.8445**, and the grayscale version is **50.1860, 52.7995, 57.4987**.

A 20% lighter version of the original color is **87.1070, 94.9630, 108.3464**, and **24.1312, 26.1063, 35.2197** is the 20% darker color. If you saturate the color by 10%, you get **43.2699, 47.2852, 67.8200**, and if you desaturate by 10%, it is **57.0636, 60.5493, 69.6532**.

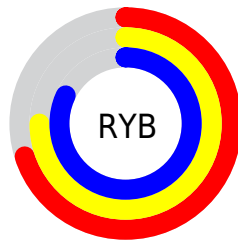
Distribution



Red (70%)

Green (77%)

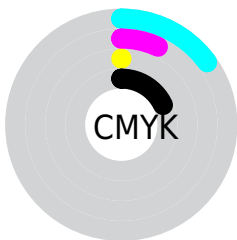
Blue (82%)



Red (70%)

Yellow (75%)

Blue (82%)

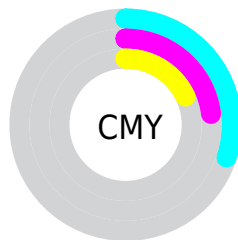


Cyan (15%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (30%)

Magenta (23%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7329, 53.5980, 68.6970 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 49.7329, 53.5980, 68.6970 by changing the saturation by 10% instead.

■ 49.7329, 53.5980,
68.6970

■ 49.7329, 53.5980,
68.6970

376.0898,
400.5752, 474.6265

■ 35.4181, 38.2804,
49.9948

■ 88.9732, 95.4837,
119.0123

■ 24.1532, 26.2004,
35.0381

114.6294,
122.8206, 151.4625

■ 15.5726, 16.9736,
23.4084

144.7969,
154.9327, 189.3324

■ 9.3112, 10.2157,
14.6872

179.8409,
192.2044, 233.0405

■ 5.0034, 5.5422,
8.4560

220.1269,
235.0202, 283.0055

■ 2.2841, 2.5688,
4.2962

266.0201,

■ 0.7865, 0.9110,

283.7642, 339.6458

1.7892

317.8859,
338.8211, 403.3799

■ 0.0000, 0.0000,
0.4208

■ 0.0000, 0.0000,
0.0000

■ 49.7329, 53.5980,
68.6970

■ 49.7329, 53.5980,
68.6970

■ 43.2699, 47.2852,
67.8200

■ 57.0636, 60.5493,
69.6532

■ 37.6341, 41.5824,
67.0163

■ 65.2907, 68.1528,
70.6872

■ 32.7887, 36.4687,
66.2846

■ 74.4475, 76.4304,
71.8024

■ 28.6924, 31.9191,
65.6224

■ 81.9405, 84.0482,
72.8778

■ 25.2991, 27.9064,
65.0267

■ 84.6053, 89.3778,
73.7661

■ 22.5578, 24.4005,
64.4944

■ 87.4074, 94.9820,
74.7001

■ 20.4093, 21.3668,
64.0221

■ 88.6330, 97.4332,
75.1086

■ 18.7815, 18.7643,
63.6056

■ 18.1283, 17.6438,
63.4237

Harmonies

Analogous

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



48.2287, 53.5980, 65.3443



49.7329, 53.5980, 68.6970



51.5971, 53.5980, 69.1850

Triad

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



49.7329, 53.5980, 68.6970



54.5950, 53.5980, 56.5144



48.6315, 53.5980, 50.7949

Complementary

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



49.7329, 53.5980, 68.6970



53.4642, 54.6151, 49.8445

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.



50.2950, 53.5980, 48.7259



49.7329, 53.5980, 68.6970



53.7579, 53.5980, 51.8904

Square

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



49.7329, 53.5980, 68.6970



54.4355, 53.5980, 61.9236



52.1732, 53.5980, 49.1141



47.6037, 53.5980, 54.9341

Rectangle

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



49.7329, 53.5980, 68.6970



52.7974, 53.5980, 67.7900



52.1732, 53.5980, 49.1141



49.1331, 53.5980, 49.8462

Sweetspot

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



49.7345, 53.6002, 68.6982



88.7604, 94.1546, 108.1032



50.9073, 59.3590, 58.5671



18.8153, 19.9816, 23.1151



0.0000, 0.0000, 0.0000



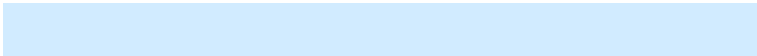
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7345, 53.6002, 68.6982



74.0590, 80.1622, 106.1773



46.3422, 46.8156, 67.5674



11.7075, 12.5053, 15.0404



11.1596, 10.9657, 38.7209



0.7022, 0.7696, 2.1911

Inverse Universe

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



52.4638, 49.5292, 59.0221



79.0492, 72.9037, 88.4441



57.1385, 61.9637, 51.0692



12.0833, 11.9180, 13.7143



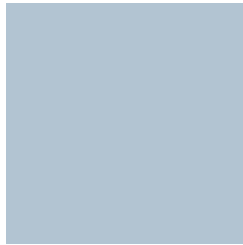
18.2636, 9.1783, 11.5600



1.0607, 0.5290, 0.8544

Previews

White Background



This preview shows how the XYZ color 49.7329, 53.5980, 68.6970 looks on a white background.

Color Contrast Check

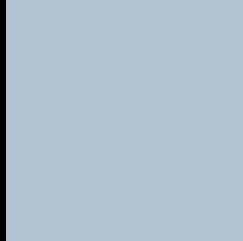
Large Text (above 18pt) WCAG AA × Fail

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 49.7329, 53.5980, 68.6970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

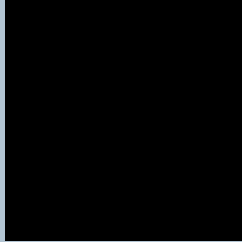
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

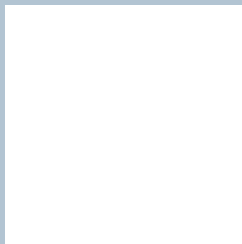
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7329, 53.5980, 68.6970

Background



This preview shows how black text looks on a background with the XYZ color 49.7329, 53.5980, 68.6970.

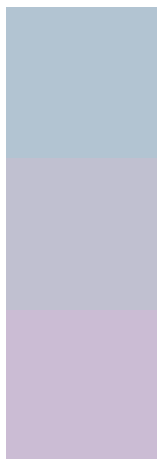


This preview shows how white text looks on a background with the XYZ color 49.7329, 53.5980,

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

49.7329, 53.5980, 68.6970

Protanopia

51.9730, 53.4598, 67.2540

Deuteranopia

54.4955, 53.4164, 69.7255



Tritanopia

49.8579, 53.6480, 69.3553

Trichromacy



Original Color

49.7329, 53.5980, 68.6970

Protanomaly

51.0721, 53.3082, 67.9193

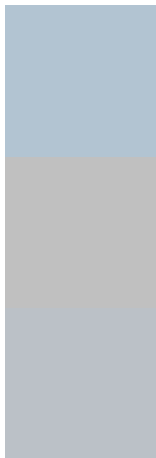
Deuteranomaly

52.6368, 53.4341, 69.1676

Tritanomaly

49.8579, 53.6480, 69.3553

Monochromacy



Original Color

49.7329, 53.5980, 68.6970

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8723, 52.8282, 61.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7329, 53.5980, 68.6970 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(178, 196, 210)` looks like.

```
.text, #text, p{  
    color:rgb(178, 196, 210)  
}
```

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(178, 196, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 196, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.7329, 53.5980, 68.6970 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(178, 196, 210) }
```


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

```
.border{ border-color:rgb(178, 196, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 196, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 196, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 196, 210);  
box-shadow:4px 4px 4px 4px rgb(178, 196,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7329, 53.5980, 68.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 196, 210) }
```

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

```
.background{ background-color: rgb(178,  
196, 210) }
```

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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