

Converting Colors

XYZ(48.2644, 53.8410, 70.0482)

Have a look what the booklet for
XYZ(48.2644, 53.8410, 70.0482)
contains.

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Color

**XYZ(48.2434, 53.8158,
70.1321)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C7D4
RGB	167, 199, 212
RGB Percent	65%, 78%, 83%
CMY	0.3451, 0.2196, 0.1686
CMYK	0.21, 0.06, 0.00, 0.17
HSL	197°, 34%, 74%
HSV	197°, 21%, 83%
XYZ	48.2434, 53.8158, 70.1321
YIQ	190.9140, -23.2450, -2.7410

Conversions

Conversions Part 2

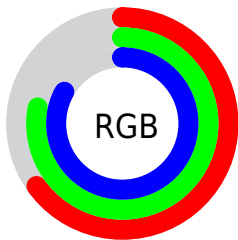
Format	Color
RYB	167, 186, 212
Decimal	10995668
CIELab	78.35, -7.86, -10.04
CIELCh	78, 12.750, 231.969
Yxy	53.8158, 0.2802, 0.3125
Android (android.graphics.Color)	4289185748 (0xFFA7C7D4)
YUV	190.9140, 10.3954, -20.9726
Hunter-Lab	73.3593, -10.9914, -5.3303

Details

The XYZ color **48.2434, 53.8158, 70.1321** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4481, 49.4296, 43.4422**, and the grayscale version is **49.4240, 51.9979, 56.6257**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **23.1506, 26.2625, 35.7473** is the 20% darker color. If you saturate the color by 10%, you get **42.7464, 48.9337, 69.4804**, and if you desaturate by 10%, it is **54.5345, 59.1942, 70.8395**.

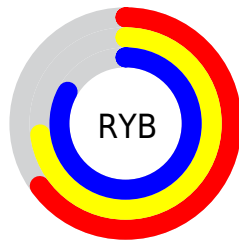
Distribution



Red (65%)

Green (78%)

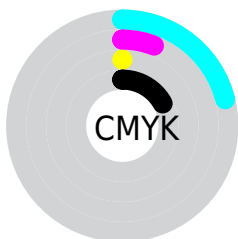
Blue (83%)



Red (65%)

Yellow (73%)

Blue (83%)

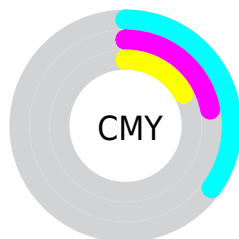


Cyan (21%)

Magenta (6%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (22%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2434, 53.8158, 70.1321 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 48.2434, 53.8158, 70.1321 by changing the saturation by 10% instead.

■ 48.2434, 53.8158,
70.1321

■ 48.2434, 53.8158,
70.1321

370.3226,
401.4072, 479.8153

■ 34.2317, 38.4544,
51.1568

■ 86.7742, 95.8037,
121.0800

■ 23.2354, 26.3356,
35.9558

■ 112.0240,
123.1991, 153.8896

■ 14.8891, 17.0748,
24.1106

141.7506,
155.3745, 192.1478

■ 8.8274, 10.2879,
15.2027

176.3194,
192.7145, 236.2730

■ 4.6850, 5.5902,
8.8136

216.0956,
235.6033, 286.6839

■ 2.0965, 2.5976,
4.5247

261.4446,

■ 0.6873, 0.9254,

284.4255, 343.7988

1.9174

312.7319,
339.5653, 408.0365

■ 0.0000, 0.0000,
0.5037

■ 0.0000, 0.0000,
0.0000

■ 48.2434, 53.8158,
70.1321

■ 48.2434, 53.8158,
70.1321

■ 42.7464, 48.9337,
69.4804

■ 54.5345, 59.1942,
70.8395

■ 38.0022, 44.5215,
68.8788

■ 61.6489, 65.0808,
71.6008

■ 33.9732, 40.5601,
68.3265

■ 69.6200, 71.4951,
72.4187

■ 30.6160, 37.0264,
67.8214

■ 78.4780, 78.4536,
73.2950

■ 27.8827, 33.8944,
67.3609

■ 81.3151, 82.3961,
73.9065

■ 25.7182, 31.1346,
66.9423

■ 83.0455, 85.8569,
74.4833

■ 24.0569, 28.7124,
66.5623

■ 84.8364, 89.4386,
75.0802

■ 22.9132, 26.8124,
66.2558

■ 86.6882, 93.1423,
75.6975

■ 88.6017, 96.9692,
76.3353

Harmonies

Analogous

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



46.8174, 53.8158, 63.9030



48.2434, 53.8158, 70.1321



50.4812, 53.8158, 73.3246

Triad

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



48.2434, 53.8158, 70.1321



56.0632, 53.8158, 60.5422



49.3716, 53.8158, 46.7255

Complementary

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



48.2434, 53.8158, 70.1321



50.4481, 49.4296, 43.4422

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.



51.8253, 53.8158, 45.9854



48.2434, 53.8158, 70.1321



55.7426, 53.8158, 53.5917

Square

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



48.2434, 53.8158, 70.1321



55.0339, 53.8158, 67.5007



54.1717, 53.8158, 48.4003



47.4539, 53.8158, 50.5115

Rectangle

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



48.2434, 53.8158, 70.1321



52.1545, 53.8158, 73.1338



54.1717, 53.8158, 48.4003



50.1591, 53.8158, 46.1254

Sweetspot

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



48.2450, 53.8180, 70.1333



88.2498, 94.4256, 108.1824



47.6936, 58.5885, 51.8426



18.7368, 20.0848, 23.1392



0.0000, 0.0000, 0.0000



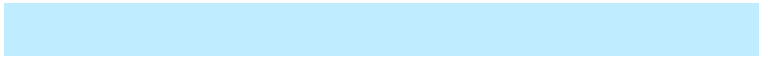
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2450, 53.8180, 70.1333



69.7635, 78.6583, 106.1134



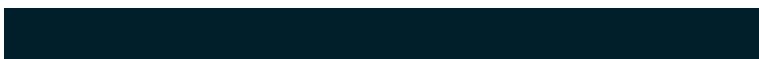
43.4938, 44.3156, 68.5496



12.4751, 13.4736, 15.8807



14.2351, 16.7319, 40.9325



0.9280, 1.1481, 2.4920

Inverse Universe

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



51.2801, 45.7592, 60.1650



75.1511, 64.7211, 88.3363



55.3066, 59.1465, 45.0617



12.7930, 12.5687, 14.8502



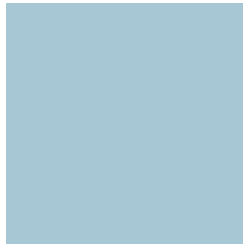
20.2441, 10.0339, 19.1211



1.2561, 0.6192, 1.3379

Previews

White Background



This preview shows how the XYZ color 48.2434, 53.8158, 70.1321 looks on a white background.

Color Contrast Check

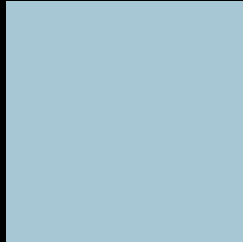
Large Text (above 18pt) WCAG AA × Fail

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 48.2434, 53.8158, 70.1321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

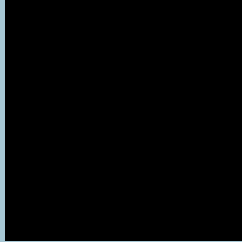
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

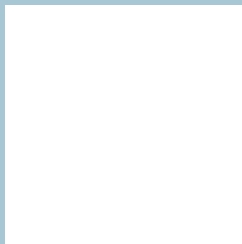
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2434, 53.8158, 70.1321

Background



This preview shows how black text looks on a background with the XYZ color 48.2434, 53.8158, 70.1321.

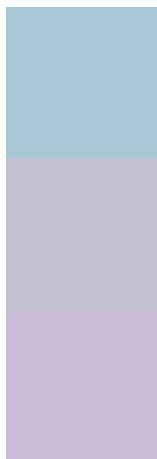


This preview shows how white text looks on a background with the XYZ color 48.2434, 53.8158,

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

48.2434, 53.8158, 70.1321

Protanopia

52.2271, 53.5908, 67.2659

Deuteranopia

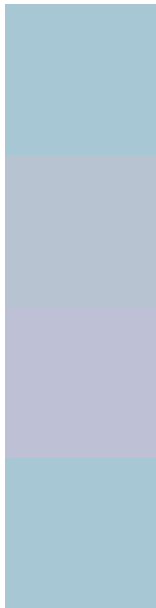
54.7494, 53.5180, 71.0627



Tritanopia

48.4974, 53.9174, 71.4693

Trichromacy



Original Color

48.2434, 53.8158, 70.1321

Protanomaly

50.7909, 53.8240, 68.0337

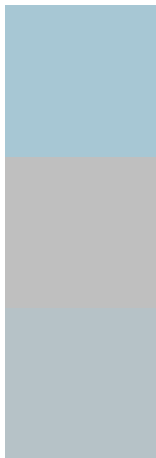
Deuteranomaly

52.0951, 53.4505, 70.5221

Tritanomaly

48.3700, 53.8664, 70.7987

Monochromacy



Original Color

48.2434, 53.8158, 70.1321

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8920, 52.6522, 61.6188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2434, 53.8158, 70.1321 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(167, 199, 212)` looks like.

```
.text, #text, p{  
    color:rgb(167, 199, 212)  
}
```

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(167, 199, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 199, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.2434, 53.8158, 70.1321 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(167, 199, 212) }
```


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

```
.border{ border-color:rgb(167, 199, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 199, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 199, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 199, 212);  
box-shadow:4px 4px 4px 4px rgb(167, 199,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2434, 53.8158, 70.1321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 199, 212) }
```

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

```
.background{ background-color: rgb(167,  
199, 212) }
```

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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