

# Converting Colors

XYZ(44.3008, 51.0257, 48.4079)

Have a look what the booklet for  
XYZ(44.3008, 51.0257, 48.4079)  
contains.

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# Color

**XYZ(44.1462, 50.8227,  
48.5573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC3B0
RGB	171, 195, 176
RGB Percent	67%, 76%, 69%
CMY	0.3294, 0.2353, 0.3098
CMYK	0.12, 0.00, 0.10, 0.24
HSL	132°, 17%, 72%
HSV	132°, 12%, 76%
XYZ	44.1462, 50.8227, 48.5573
YIQ	185.6580, -8.2050, -10.9970

# Conversions

## Conversions Part 2

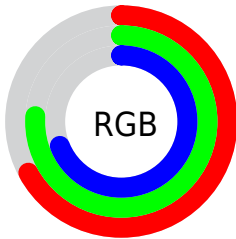
Format	Color
<b>RYB</b>	171, 191, 195
Decimal	11256752
CIELab	76.57, -11.80, 6.80
CIElCh	77, 13.619, 150.025
Yxy	50.8227, 0.3076, 0.3541
Android (android.graphics.Color)	4289446832 (0xFFABC3B0)
YUV	185.6580, -4.7614, -12.8551
Hunter-Lab	71.2900, -14.2218, 9.5192

# Details

The XYZ color **44.1462, 50.8227, 48.5573** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3647, 44.4470, 54.8531**, and the grayscale version is **46.5110, 48.9332, 53.2883**.

A 20% lighter version of the original color is **80.7399, 91.6158, 89.7721**, and **20.7707, 24.4269, 22.6889** is the 20% darker color. If you saturate the color by 10%, you get **38.7663, 48.2173, 40.7802**, and if you desaturate by 10%, it is **50.3293, 53.8250, 57.2810**.

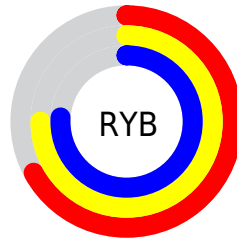
# Distribution



Red (67%)

Green (76%)

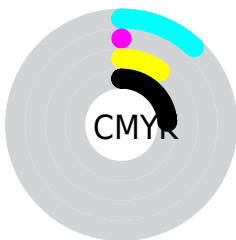
Blue (69%)



Red (67%)

Yellow (75%)

Blue (76%)

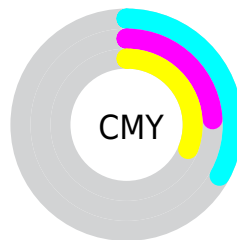


Cyan (12%)

Magenta (0%)

Yellow (10%)

Black (24%)



Cyan (33%)

Magenta (24%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1462, 50.8227, 48.5573 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 44.1462, 50.8227, 48.5573 by changing the saturation by 10% instead.



■ 44.1462, 50.8227,  
48.5573

■ 44.1462, 50.8227,  
48.5573

354.1467,  
389.8745, 397.5691

■ 30.9839, 36.0675,  
33.9053

■ 80.6827, 91.3926,  
89.4078

■ 20.7383, 24.4864,  
22.5441

104.7875,  
117.9762, 116.4433

■ 13.0442, 15.6948,  
14.0551

133.2706,  
149.2713, 148.4438

■ 7.5362, 9.3084,  
8.0198

166.4973,  
185.6624, 185.8278

■ 3.8489, 4.9429,  
4.0197

204.8328,  
227.5339, 229.0137

■ 1.6170, 2.2138,  
1.6361

248.6427,

■ 0.4035, 0.7275,

275.2702, 278.4203

0.3164

298.2922,  
329.2556, 334.4659

■ 0.0000, 0.0000,  
0.0000

■ 44.1462, 50.8227,  
48.5573

■ 44.1462, 50.8227,  
48.5573

■ 38.7663, 48.2173,  
40.7802

■ 50.3293, 53.8250,  
57.2810

■ 34.1524, 45.9859,  
33.9147

■ 57.3427, 57.2331,  
66.9783

■ 30.2702, 44.1131,  
27.9282

■ 65.2171, 61.0639,  
77.6791

■ 27.0816, 42.5798,  
22.7851

■ 73.9808, 65.3311,  
89.4112

■ 24.5447, 41.3654,  
18.4474

■ 78.5165, 67.3963,  
101.9605

■ 22.6130, 40.4466,  
14.8741

■ 78.8061, 67.5121,  
103.4854

■ 21.2336, 39.7973,  
12.0206

■ 20.3441, 39.3861,  
9.8376

■ 19.9097, 39.1896,  
8.5783

# Harmonies

## Analogous

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



45.8724, 50.8227, 43.9563



44.1462, 50.8227, 48.5573



43.5261, 50.8227, 55.3436

# Triad

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



44.1462, 50.8227, 48.5573



48.3076, 50.8227, 70.7461



52.7157, 50.8227, 48.5473

# Complementary

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



44.1462, 50.8227, 48.5573



46.3647, 44.4470, 54.8531

# 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.



53.4225, 50.8227, 55.3310



44.1462, 50.8227, 48.5573



50.8230, 50.8227, 68.5304

# Square

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



44.1462, 50.8227, 48.5573



45.8761, 50.8227, 68.5377



52.7181, 50.8227, 62.7207



50.8191, 50.8227, 43.9509



# Rectangle

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



44.1462, 50.8227, 48.5573



43.8057, 50.8227, 60.3313



52.7181, 50.8227, 62.7207



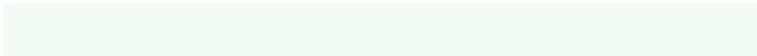
53.1033, 50.8227, 50.6268

# Sweetspot

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



44.1476, 50.8249, 48.5584



88.0892, 95.4027, 99.7228



48.1530, 52.9458, 46.2105



19.0978, 20.7986, 21.5678



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

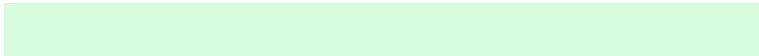


# Same Dimension

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



44.1476, 50.8249, 48.5584



76.1018, 89.5869, 82.7194



45.3669, 51.3126, 54.9792



10.0284, 11.2924, 11.1527



12.9649, 25.4800, 5.7080



0.5859, 1.1112, 0.3819



# Inverse Universe

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



46.3647, 44.4470, 54.8531



80.9169, 75.7339, 96.3893



45.1262, 43.9516, 48.3312



10.4045, 10.2104, 12.2207



18.4704, 9.0779, 20.9208

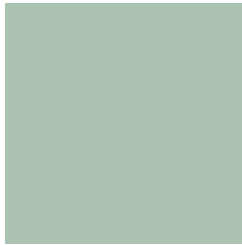


0.8212, 0.4015, 1.0259



# Previews

## White Background



This preview shows how the XYZ color 44.1462, 50.8227, 48.5573 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

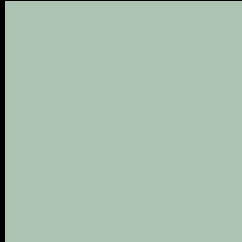
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1462, 50.8227, 48.5573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

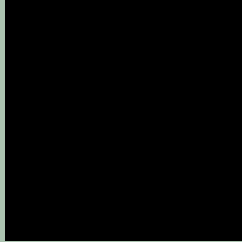
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.1462, 50.8227, 48.5573**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1462, 50.8227, 48.5573.



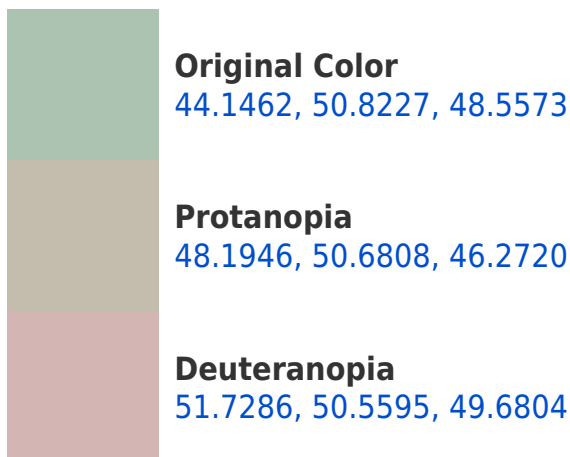
This preview shows how white text looks on a background with the XYZ color 44.1462, 50.8227,



# 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

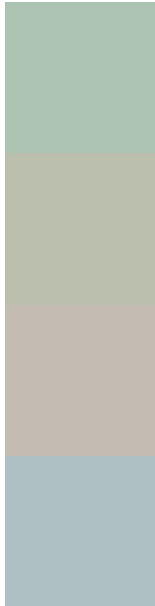




## Tritanopia

47.6759, 50.9479, 65.7137

# Trichromacy



## Original Color

44.1462, 50.8227, 48.5573

## Protanomaly

46.6671, 50.8435, 46.8893

## Deuteranomaly

48.5712, 50.4908, 49.3052

## Tritanomaly

46.1555, 50.6381, 58.9712

# Monochromacy



## Original Color

44.1462, 50.8227, 48.5573

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

45.6971, 49.5963, 51.4205

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1462, 50.8227, 48.5573 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, 195, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 195, 176)  
}
```

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, 195, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 195, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1462, 50.8227, 48.5573 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, 195, 176) }
```



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

```
.border{ border-color:rgb(171, 195, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 195, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 195, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 195, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 195,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1462, 50.8227, 48.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 195, 176) }
```

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

```
.background{ background-color: rgb(171,  
195, 176) }
```

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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