

# Converting Colors

XYZ(47.8108, 60.2062, 49.6585)

Have a look what the booklet for  
XYZ(47.8108, 60.2062, 49.6585)  
contains.

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# Color

**XYZ(47.8108, 60.2062,  
49.6585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D8AF
RGB	165, 216, 175
RGB Percent	65%, 85%, 69%
CMY	0.3529, 0.1529, 0.3137
CMYK	0.24, 0.00, 0.19, 0.15
HSL	132°, 40%, 75%
HSV	132°, 24%, 85%
XYZ	47.8108, 60.2062, 49.6585
YIQ	196.0770, -17.2350, -23.5630

# Conversions

## Conversions Part 2

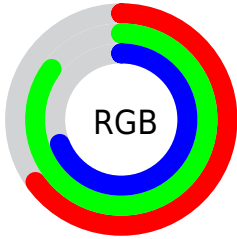
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 208, 216</a>
Decimal	<a href="#">10868911</a>
CIELab	<a href="#">81.95, -24.55, 14.93</a>
CIElCh	<a href="#">82, 28.735, 148.692</a>
Yxy	<a href="#">60.2062, 0.3032, 0.3818</a>
Android (android.graphics.Color)	<a href="#">4289058991 (0xFFA5D8AF)</a>
YUV	<a href="#">196.0770, -10.3910, -27.2545</a>
Hunter-Lab	<a href="#">77.5927, -25.7996, 16.3699</a>

# Details

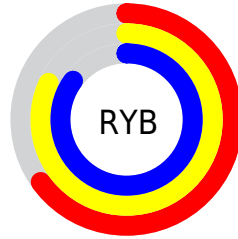
The XYZ color **47.8108, 60.2062, 49.6585** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.9167, 45.9669, 64.4787**, and the grayscale version is **52.5847, 55.3231, 60.2469**.

A 20% lighter version of the original color is **80.0026, 92.6617, 89.2702**, and **22.9398, 30.3396, 23.0594** is the 20% darker color. If you saturate the color by 10%, you get **42.0946, 57.4457, 41.0535**, and if you desaturate by 10%, it is **54.5084, 63.4507, 59.4570**.

# Distribution



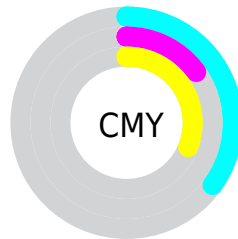
- Red (65%)
- Green (85%)
- Blue (69%)



- Red (65%)
- Yellow (82%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)




- Cyan (35%)
- Magenta (15%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8108, 60.2062, 49.6585 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 47.8108, 60.2062, 49.6585 by changing the saturation by 10% instead.





 47.8108, 60.2062,  
49.6585


 47.8108, 60.2062,  
49.6585


368.6368,  
425.3574, 402.0257

 33.8877, 43.5849,  
34.7728


 86.1340, 105.1287,  
91.0598

 22.9698, 30.3443,  
23.2058


 111.2649,  
134.1987, 118.4125

 14.6918, 20.1000,  
14.5388


140.8624,  
168.1870, 150.7580

 8.6883, 12.4678,  
8.3534

175.2919,  
207.4781, 188.5147

 4.5939, 7.0631,  
4.2309

214.9187,  
252.4562, 232.1014

 2.0433, 3.5016,  
1.7528

260.1082,

 0.6581, 1.3989,

303.5059, 281.9364

0.3966

311.2258,  
361.0115, 338.4383

■ 0.0000, 0.2159,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.8108, 60.2062,  
49.6585

■ 47.8108, 60.2062,  
49.6585

■ 42.0946, 57.4457,  
41.0535

■ 54.5084, 63.4507,  
59.4570

■ 37.3085, 55.1385,  
33.5924

■ 62.2259, 67.1931,  
70.4879

■ 33.4040, 53.2625,  
27.2282

■ 71.0055, 71.4558,  
82.7935

■ 30.3260, 51.7903,  
21.9090

■ 80.8856, 76.2580,  
96.4128

■ 28.0131, 50.6914,  
17.5787

■ 83.8470, 77.5940,  
105.1657

■ 26.3950, 49.9309,  
14.1759

■ 25.3879, 49.4669,  
11.6321

■ 24.9813, 49.2837,  
10.4198

# Harmonies

## Analogous

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



51.7960, 60.2062, 40.3644



47.8108, 60.2062, 49.6585



46.3201, 60.2062, 64.7937

# Triad

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



47.8108, 60.2062, 49.6585



56.9580, 60.2062, 105.0206



68.0975, 60.2062, 50.7657

# Complementary

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



47.8108, 60.2062, 49.6585



52.9167, 45.9669, 64.4787

# 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.



69.7179, 60.2062, 66.3209



47.8108, 60.2062, 49.6585



63.0190, 60.2062, 99.5064

# Square

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



47.8108, 60.2062, 49.6585



51.3650, 60.2062, 98.5013



67.7985, 60.2062, 84.5248



63.5128, 60.2062, 40.9196



# Rectangle

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



47.8108, 60.2062, 49.6585



46.8548, 60.2062, 76.8738



67.7985, 60.2062, 84.5248



69.0207, 60.2062, 55.4044

# Sweetspot

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



47.8124, 60.2087, 49.6598



86.5601, 95.8803, 96.8897



56.9842, 65.0463, 45.1498



18.3784, 20.4501, 20.5260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

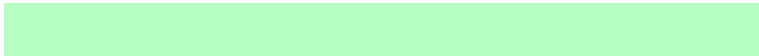


# Same Dimension

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



47.8124, 60.2087, 49.6598



65.5784, 85.7198, 66.2735



50.4826, 61.2768, 63.7208



12.3610, 13.9354, 13.7152



14.8161, 29.1818, 6.3275



0.9232, 1.7719, 0.5374



# Inverse Universe

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



52.9167, 45.9669, 64.4787



74.1748, 61.7259, 91.2243



50.1318, 44.8529, 49.8134



12.8438, 12.5890, 15.1176



21.3025, 10.4573, 24.6948

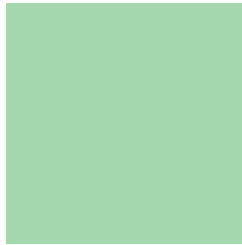


1.3122, 0.6417, 1.6332



# Previews

## White Background



This preview shows how the XYZ color 47.8108, 60.2062, 49.6585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

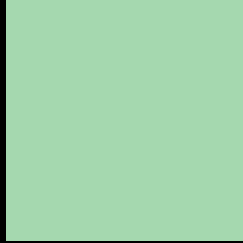
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8108, 60.2062, 49.6585 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

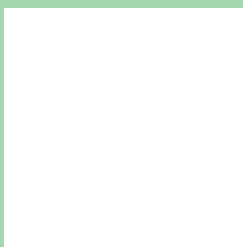
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.8108, 60.2062, 49.6585**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8108, 60.2062, 49.6585.



This preview shows how white text looks on a background with the XYZ color 47.8108, 60.2062,

49.6585.

# 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

47.8108, 60.2062, 49.6585

### Protanopia

56.4482, 59.9861, 45.6491

### Deuteranopia

60.8316, 59.7235, 50.9694



## Tritanopia

53.9835, 60.0906, 80.7049

# Trichromacy



## Original Color

47.8108, 60.2062, 49.6585

## Protanomaly

52.9325, 59.9223, 47.3044

## Deuteranomaly

55.1239, 59.1916, 50.6393

## Tritanomaly

51.6006, 60.2499, 67.9412

# Monochromacy



## Original Color

47.8108, 60.2062, 49.6585

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

50.4406, 56.6570, 55.8543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8108, 60.2062, 49.6585 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(165, 216, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 216, 175)  
}
```

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(165, 216, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 216, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8108, 60.2062, 49.6585 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(165, 216, 175) }
```



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

```
.border{ border-color:rgb(165, 216, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 216, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 216, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 216, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 216,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8108, 60.2062, 49.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 216, 175) }
```

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

```
.background{ background-color: rgb(165,  
216, 175) }
```

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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