

Converting Colors

XYZ(49.7992, 61.5208, 63.2124)

Have a look what the booklet for
XYZ(49.7992, 61.5208, 63.2124)
contains.

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Color

**XYZ(49.8774, 61.7399,
63.3210)**

Conversions

Conversions Part 1

Format	Color
Hex	A0DAC7
RGB	160, 218, 199
RGB Percent	63%, 85%, 78%
CMY	0.3725, 0.1451, 0.2196
CMYK	0.27, 0.00, 0.09, 0.15
HSL	160°, 44%, 74%
HSV	160°, 27%, 85%
XYZ	49.8774, 61.7399, 63.3210
YIQ	198.4920, -28.4690, -18.2050

Conversions

Conversions Part 2

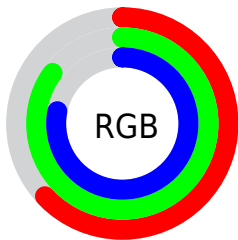
Format	Color
RYB	160, 195, 218
Decimal	10541767
CIELab	82.77, -22.46, 3.36
CIELCh	83, 22.707, 171.485
Yxy	61.7399, 0.2851, 0.3529
Android (android.graphics.Color)	4288731847 (0xFFA0DAC7)
YUV	198.4920, 0.2504, -33.7575
Hunter-Lab	78.5747, -24.1982, 7.2223

Details

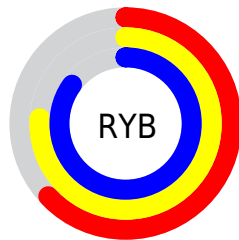
The XYZ color **49.8774, 61.7399, 63.3210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6231, 43.3033, 48.3933**, and the grayscale version is **53.9883, 56.7999, 61.8550**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **24.2714, 31.3645, 31.5628** is the 20% darker color. If you saturate the color by 10%, you get **45.0860, 59.3651, 58.8698**, and if you desaturate by 10%, it is **55.4754, 64.5293, 68.0157**.

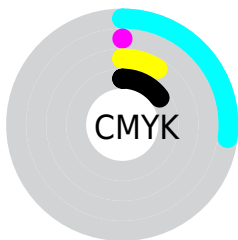
Distribution



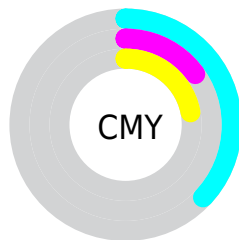
- Red (63%)
- Green (85%)
- Blue (78%)



- Red (63%)
- Yellow (76%)
- Blue (85%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)



- Cyan (37%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8774, 61.7399, 63.3210 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 49.8774, 61.7399, 63.3210 by changing the saturation by 10% instead.


 49.8774, 61.7399,
63.3210


 49.8774, 61.7399,
63.3210


376.6462,
430.9817, 454.8735

 35.5334, 44.8226,
45.6583


 89.1861, 107.3495,
111.2225

 24.2425, 31.3177,
31.6295


 114.8815,
136.8106, 142.2984

 15.6393, 20.8409,
20.8162


145.0914,
171.2217, 178.6824

 9.3585, 13.0077,
12.7998

180.1812,
210.9673, 220.7931

 5.0347, 7.4339,
7.1617

220.5163,
256.4317, 269.0491

 2.3026, 3.7349,
3.4835

266.4619,

 0.7960, 1.5264,

307.9993, 323.8687

1.3465

318.3834,
366.0545, 385.6707

■ 0.0000, 0.3072,
0.0994

■ 0.0000, 0.0000,
0.0000

■ 49.8774, 61.7399,
63.3210

■ 49.8774, 61.7399,
63.3210

■ 45.0860, 59.3651,
58.8698

■ 55.4754, 64.5293,
68.0157

■ 41.0556, 57.3764,
54.6534

■ 61.9123, 67.7450,
72.9543

■ 37.7437, 55.7539,
50.6683

■ 69.2249, 71.4075,
78.1425

■ 35.1018, 54.4724,
46.9093

■ 77.4463, 75.5339,
83.5843

■ 33.0747, 53.5036,
43.3709

■ 81.2665, 77.3866,
89.0339

■ 31.5982, 52.8145,
40.0471

■ 82.3178, 77.8071,
94.5701

■ 30.5904, 52.3629,
36.9310

■ 83.4110, 78.2444,
100.3269

■ 30.3062, 52.2385,
35.9177

■ 84.3625, 78.6250,
105.3375

Harmonies

Analogous

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



51.6377, 61.7399, 51.8314



49.8774, 61.7399, 63.3210



50.3716, 61.7399, 77.5619

Triad

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



49.8774, 61.7399, 63.3210



62.1885, 61.7399, 95.4784



64.7250, 61.7399, 48.3030

Complementary

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



49.8774, 61.7399, 63.3210



49.6231, 43.3033, 48.3933

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.



67.8594, 61.7399, 57.8486



49.8774, 61.7399, 63.3210



66.3393, 61.7399, 85.3977

Square

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



49.8774, 61.7399, 63.3210



57.3027, 61.7399, 97.4787



68.4660, 61.7399, 71.2847



60.0831, 61.7399, 43.9833

Rectangle

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



49.8774, 61.7399, 63.3210



51.9255, 61.7399, 86.6565



68.4660, 61.7399, 71.2847



66.0003, 61.7399, 50.9386

Sweetspot

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



49.8791, 61.7424, 63.3224



86.8815, 95.9111, 102.9982



50.0861, 62.3070, 42.6453



18.2869, 20.3743, 21.8138



0.0000, 0.0000, 0.0000



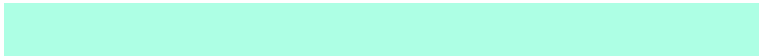
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8791, 61.7424, 63.3224



67.1228, 86.0661, 86.6674



49.7913, 57.8124, 74.8672



13.2540, 14.7532, 15.8005



18.2073, 31.3155, 21.7886



1.2186, 2.0444, 1.6172

Inverse Universe

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



49.6231, 43.3033, 48.3933



66.7014, 55.4772, 61.9182



49.5729, 46.0698, 39.5383



13.2311, 13.1215, 14.4780



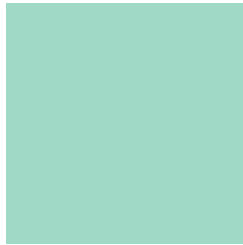
18.0559, 9.2234, 4.6746



1.2087, 0.6131, 0.5080

Previews

White Background



This preview shows how the XYZ color 49.8774, 61.7399, 63.3210 looks on a white background.

Color Contrast Check

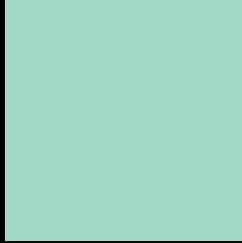
Large Text (above 18pt) WCAG AA × Fail

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 49.8774, 61.7399, 63.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

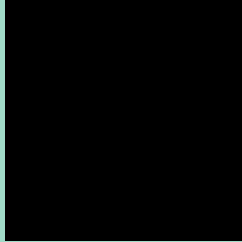
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

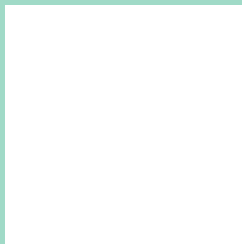
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8774, 61.7399, 63.3210

Background



This preview shows how black text looks on a background with the XYZ color 49.8774, 61.7399, 63.3210.



This preview shows how white text looks on a background with the XYZ color 49.8774, 61.7399,

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

49.8774, 61.7399, 63.3210

Protanopia

58.4971, 61.4655, 58.6501

Deuteranopia

62.5669, 61.3274, 65.0397



Tritanopia

53.8031, 61.4087, 83.8802

Trichromacy



Original Color

49.8774, 61.7399, 63.3210

Protanomaly

54.8892, 61.3708, 60.5825

Deuteranomaly

57.0891, 60.9634, 64.6353

Tritanomaly

52.3965, 61.6079, 76.1478

Monochromacy



Original Color

49.8774, 61.7399, 63.3210

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.7915, 57.9302, 61.8780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8774, 61.7399, 63.3210 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(160, 218, 199)` looks like.

```
.text, #text, p{  
    color:rgb(160, 218, 199)  
}
```

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(160, 218, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 218, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.8774, 61.7399, 63.3210 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(160, 218, 199) }
```


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

```
.border{ border-color:rgb(160, 218, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 218, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 218, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 218, 199);  
box-shadow:4px 4px 4px 4px rgb(160, 218,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8774, 61.7399, 63.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 218, 199) }
```

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

```
.background{ background-color: rgb(160,  
218, 199) }
```

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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