

Converting Colors

XYZ(48.4129, 61.9497, 47.4656)

Have a look what the booklet for
XYZ(48.4129, 61.9497, 47.4656)
contains.

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Color

**XYZ(48.5748, 62.1957,
47.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DCAA
RGB	166, 220, 170
RGB Percent	65%, 86%, 67%
CMY	0.3490, 0.1372, 0.3333
CMYK	0.25, 0.00, 0.23, 0.14
HSL	124°, 44%, 76%
HSV	124°, 25%, 86%
XYZ	48.5748, 62.1957, 47.4750
YIQ	198.1540, -16.1340, -26.9980

Conversions

Conversions Part 2

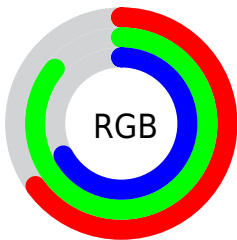
Format	Color
RYB	166, 216, 220
Decimal	10935466
CIELab	83.02, -27.04, 19.06
CIELCh	83, 33.087, 144.822
Yxy	62.1957, 0.3070, 0.3930
Android (android.graphics.Color)	4289125546 (0xFFA6DCAA)
YUV	198.1540, -13.8799, -28.1991
Hunter-Lab	78.8643, -28.0691, 19.5134

Details

The XYZ color **48.5748, 62.1957, 47.4750** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.5483, 47.4473, 71.1990**, and the grayscale version is **53.8603, 56.6652, 61.7085**.

A 20% lighter version of the original color is **79.4748, 92.4858, 84.8969**, and **23.5352, 31.7290, 22.0234** is the 20% darker color. If you saturate the color by 10%, you get **42.5715, 59.3084, 37.9026**, and if you desaturate by 10%, it is **55.6689, 65.6145, 58.6597**.

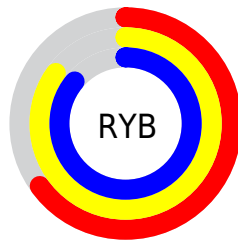
Distribution



Red (65%)

Green (86%)

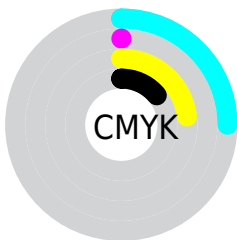
Blue (67%)



Red (65%)

Yellow (85%)

Blue (86%)

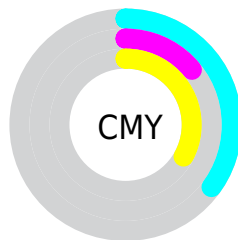


Cyan (25%)

Magenta (0%)

Yellow (23%)

Black (14%)



Cyan (35%)


Magenta (14%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5748, 62.1957, 47.4750 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 48.5748, 62.1957, 47.4750 by changing the saturation by 10% instead.


 48.5748, 62.1957,
47.4750


 48.5748, 62.1957,
47.4750


371.6108,
432.6446, 393.1559

 34.4954, 45.1908,
33.0543


 87.2641, 108.0083,
87.7796

 23.4392, 31.6078,
21.8966


 112.6048,
137.5849, 114.5006

 15.0406, 21.0621,
13.5833


142.4300,
172.1208, 146.1587

 8.9344, 13.1694,
7.6960

177.1051,
212.0005, 183.1726

 4.7552, 7.5453,
3.8161

216.9953,
257.6083, 225.9607

 2.1376, 3.8054,
1.5250

262.4661,

 0.7095, 1.5653,

309.3287, 274.9416

0.2364

313.8828,
367.5460, 330.5338

■ 0.0000, 0.3340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5748, 62.1957,
47.4750

■ 48.5748, 62.1957,
47.4750

■ 42.5715, 59.3084,
37.9026

■ 55.6689, 65.6145,
58.6597

■ 37.6003, 56.9184,
29.8644

■ 63.8991, 69.5811,
71.5220

■ 33.6043, 54.9999,
23.2819

■ 73.3139, 74.1211,
86.1284

■ 30.5193, 53.5217,
18.0679

■ 83.9577, 79.2559,
102.5406

■ 28.2732, 52.4487,
14.1261

■ 84.8844, 79.6689,
105.5115

■ 26.7830, 51.7405,
11.3477

■ 25.9486, 51.3480,
9.6053

■ 25.6902, 51.2272,
9.0358

Harmonies

Analogous

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



53.5294, 62.1957, 37.9016



48.5748, 62.1957, 47.4750



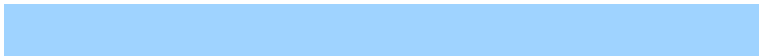
46.4529, 62.1957, 64.2288

Triad

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



48.5748, 62.1957, 47.4750



57.8830, 62.1957, 114.9895



72.4918, 62.1957, 52.4997

Complementary

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



48.5748, 62.1957, 47.4750



55.5483, 47.4473, 71.1990

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.



73.8916, 62.1957, 71.3366



48.5748, 62.1957, 47.4750



65.0765, 62.1957, 110.1117

Square

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



48.5748, 62.1957, 47.4750



51.5430, 62.1957, 105.2708



71.0796, 62.1957, 93.0317



67.3948, 62.1957, 40.3665

Rectangle

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



48.5748, 62.1957, 47.4750



46.7955, 62.1957, 78.3007



71.0796, 62.1957, 93.0317



73.4269, 62.1957, 58.1392

Sweetspot

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



48.5764, 62.1983, 47.4764



86.2373, 95.7512, 95.1899



60.9160, 68.6027, 46.1080



18.3039, 20.4203, 20.1337



0.0000, 0.0000, 0.0000



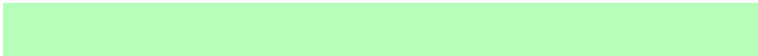
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5764, 62.1983, 47.4764



63.7470, 84.9175, 59.7803



51.3532, 63.3090, 62.0985



12.9255, 14.6218, 14.0705



15.0920, 30.0694, 5.3841



0.9917, 1.9536, 0.4225

Inverse Universe

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



55.5483, 47.4473, 71.1990



74.9544, 61.2002, 97.9120



52.3822, 46.1809, 54.5266



13.5706, 13.2573, 16.2659



23.7159, 11.4874, 34.4798



1.5491, 0.7493, 2.3006

Previews

White Background



This preview shows how the XYZ color 48.5748, 62.1957, 47.4750 looks on a white background.

Color Contrast Check

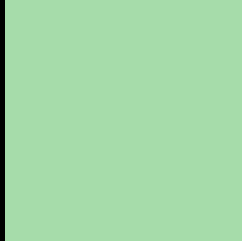
Large Text (above 18pt) WCAG AA × Fail

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 48.5748, 62.1957, 47.4750 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 48.5748, 62.1957, 47.4750

Background



This preview shows how black text looks on a background with the XYZ color 48.5748, 62.1957, 47.4750.



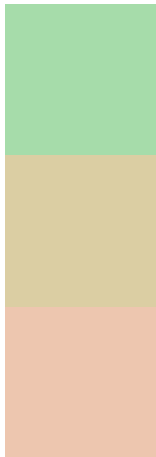
This preview shows how white text looks on a background with the XYZ color 48.5748, 62.1957,

47.4750.

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**

48.5748, 62.1957, 47.4750

Protanopia

57.8956, 61.8470, 43.5366

Deuteranopia

62.8570, 61.4878, 49.1129



Tritanopia

55.8178, 62.0912, 83.1716

Trichromacy



Original Color

48.5748, 62.1957, 47.4750

Protanomaly

53.9966, 61.6211, 45.1245

Deuteranomaly

56.4781, 61.0086, 48.3343

Tritanomaly

52.9192, 62.0392, 68.8601

Monochromacy



Original Color

48.5748, 62.1957, 47.4750

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.3981, 58.2126, 56.1041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5748, 62.1957, 47.4750 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(166, 220, 170)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 170)  
}
```

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(166, 220, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.5748, 62.1957, 47.4750 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(166, 220, 170) }
```


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

```
.border{ border-color:rgb(166, 220, 170) }
```

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

Here you see how a box with a 4 pixel rgb(166, 220, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 170);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5748, 62.1957, 47.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 170) }
```

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

```
.background{ background-color: rgb(166,  
220, 170) }
```

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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