

Converting Colors

XYZ(48.5539, 63.0264, 49.9430)

Have a look what the booklet for
XYZ(48.5539, 63.0264, 49.9430)
contains.

XYZ(48.5571, 62.9148, 50.1420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.5571, 62.9148,
50.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DEAF
RGB	161, 222, 175
RGB Percent	63%, 87%, 69%
CMY	0.3686, 0.1294, 0.3137
CMYK	0.27, 0.00, 0.21, 0.13
HSL	134°, 48%, 75%
HSV	134°, 27%, 87%
XYZ	48.5571, 62.9148, 50.1420
YIQ	198.4030, -21.2690, -27.5490

Conversions

Conversions Part 2

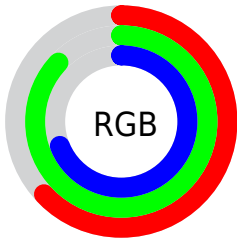
Format	Color
RYB	161, 211, 222
Decimal	10608303
CIELab	83.40, -28.73, 16.93
CIELCh	83, 33.347, 149.493
Yxy	62.9148, 0.3005, 0.3893
Android (android.graphics.Color)	4288798383 (0xFFA1DEAF)
YUV	198.4030, -11.5377, -32.8024
Hunter-Lab	79.3189, -29.5346, 18.0426

Details

The XYZ color **48.5571, 62.9148, 50.1420** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.2564, 45.5748, 65.6143**, and the grayscale version is **54.0005, 56.8127, 61.8690**.

A 20% lighter version of the original color is **78.7991, 92.0412, 89.2139**, and **23.5159, 32.2307, 23.3941** is the 20% darker color. If you saturate the color by 10%, you get **42.8994, 60.1819, 41.6563**, and if you desaturate by 10%, it is **55.2253, 66.1476, 59.7886**.

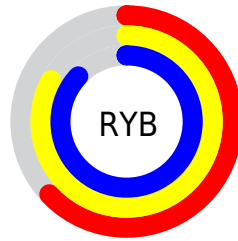
Distribution



Red (63%)

Green (87%)

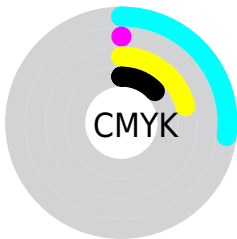
Blue (69%)



Red (63%)

Yellow (83%)

Blue (87%)

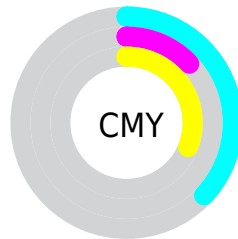


Cyan (27%)

Magenta (0%)

Yellow (21%)

Black (13%)



Cyan (37%)


Magenta (13%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5571, 62.9148, 50.1420 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 48.5571, 62.9148, 50.1420 by changing the saturation by 10% instead.


 48.5571, 62.9148,
50.1420


 48.5571, 62.9148,
50.1420


371.5420,
435.2602, 403.9720

 34.4814, 45.7723,
35.1543


 87.2380, 109.0466,
91.7837

 23.4283, 32.0662,
23.4972


 112.5738,
138.8046, 119.2748

 15.0325, 21.4120,
14.7523


142.3938,
173.5367, 151.7707

 8.9287, 13.4255,
8.5011

177.0631,
213.6271, 189.6900

 4.7514, 7.7222,
4.3249

216.9473,
259.4602, 233.4512

 2.1354, 3.9177,
1.8052

262.4116,

 0.7084, 1.6276,

311.4205, 283.4729

0.4314

313.8214,
369.8924, 340.1737

■ 0.0000, 0.3761,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5571, 62.9148,
50.1420

■ 48.5571, 62.9148,
50.1420

■ 42.8994, 60.1819,
41.6563

■ 55.2253, 66.1476,
59.7886

■ 38.1972, 57.9162,
34.2837

■ 62.9455, 69.8954,
70.6333

■ 34.3980, 56.0932,
27.9789

■ 71.7627, 74.1826,
82.7169

■ 31.4417, 54.6831,
22.6922

■ 81.7181, 79.0293,
96.0768

■ 29.2610, 53.6524,
18.3699

■ 85.4125, 80.7250,
105.6875

■ 27.7777, 52.9618,
14.9530

■ 26.8885, 52.5595,
12.3756

■ 26.7190, 52.4836,
11.8484

Harmonies

Analogous

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



53.1844, 62.9148, 39.2583



48.5571, 62.9148, 50.1420



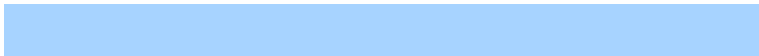
46.8945, 62.9148, 68.1499

Triad

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



48.5571, 62.9148, 50.1420



59.6750, 62.9148, 116.7773



72.7946, 62.9148, 50.6419

Complementary

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



48.5571, 62.9148, 50.1420



54.2564, 45.5748, 65.6143

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.



74.8763, 62.9148, 68.8583



48.5571, 62.9148, 50.1420



66.9397, 62.9148, 109.5398

Square

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



48.5571, 62.9148, 50.1420



52.9866, 62.9148, 109.0562



72.6536, 62.9148, 90.8758



67.1709, 62.9148, 39.5032

Rectangle

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



48.5571, 62.9148, 50.1420



47.5779, 62.9148, 82.7326



72.6536, 62.9148, 90.8758



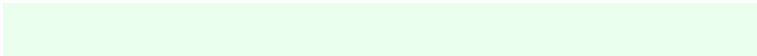
73.9510, 62.9148, 56.0073

Sweetspot

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



48.5588, 62.9174, 50.1434



85.5107, 95.3628, 95.7798



58.7900, 68.3426, 43.8117



17.9423, 20.2365, 19.9992



0.0000, 0.0000, 0.0000



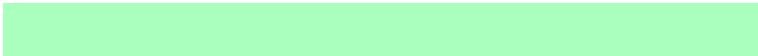
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5588, 62.9174, 50.1434



61.8340, 83.8859, 61.7412



51.8064, 64.2165, 67.2453



13.6570, 15.3885, 15.2290



15.9051, 31.1869, 7.2230



1.1365, 2.1753, 0.6802

Inverse Universe

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



54.2564, 45.5748, 65.6143



70.8695, 56.3671, 86.2635



50.9353, 44.2464, 48.1258



14.1534, 13.8790, 16.5780



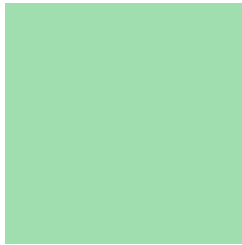
22.3065, 10.9896, 24.0777



1.5794, 0.7750, 1.8439

Previews

White Background



This preview shows how the XYZ color 48.5571, 62.9148, 50.1420 looks on a white background.

Color Contrast Check

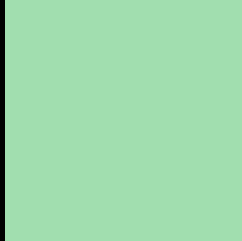
Large Text (above 18pt) WCAG AA × Fail

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 48.5571, 62.9148, 50.1420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

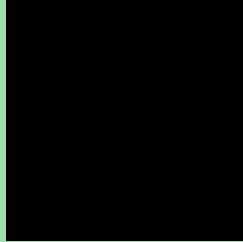
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5571, 62.9148, 50.1420

Background



This preview shows how black text looks on a background with the XYZ color 48.5571, 62.9148, 50.1420.

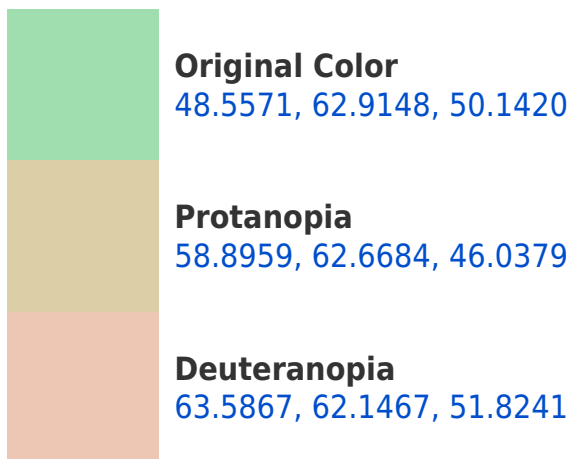


This preview shows how white text looks on a background with the XYZ color 48.5571, 62.9148,

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

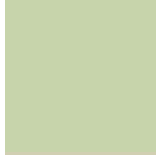
55.4836, 62.6333, 84.7664

Trichromacy



Original Color

48.5571, 62.9148, 50.1420



Protanomaly

54.4474, 62.1694, 47.6583



Deuteranomaly

56.6432, 61.3953, 50.9845



Tritanomaly

52.7192, 62.6537, 70.9428

Monochromacy



Original Color

48.5571, 62.9148, 50.1420



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.6147, 58.6576, 57.3169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5571, 62.9148, 50.1420 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(161, 222, 175)` looks like.

```
.text, #text, p{  
    color:rgb(161, 222, 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(161, 222, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 222, 175) }
```

Border

The CSS property to change the border of an element to XYZ 48.5571, 62.9148, 50.1420 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(161, 222, 175) }
```


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

```
.border{ border-color:rgb(161, 222, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 222, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 222, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 222, 175);  
box-shadow:4px 4px 4px 4px rgb(161, 222,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5571, 62.9148, 50.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 222, 175) }
```

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

```
.background{ background-color: rgb(161,  
222, 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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