

Converting Colors

XYZ(47.2102, 60.3143, 48.9477)

Have a look what the booklet for
XYZ(47.2102, 60.3143, 48.9477)
contains.

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Color

**XYZ(47.1508, 60.2588,
49.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D9AE
RGB	161, 217, 174
RGB Percent	63%, 85%, 68%
CMY	0.3686, 0.1490, 0.3176
CMYK	0.26, 0.00, 0.20, 0.15
HSL	134°, 42%, 74%
HSV	134°, 26%, 85%
XYZ	47.1508, 60.2588, 49.1904
YIQ	195.3540, -19.5730, -25.2450

Conversions

Conversions Part 2

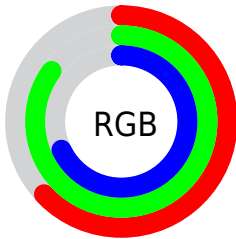
Format	Color
RYB	161, 206, 217
Decimal	10607022
CIELab	81.98, -26.51, 15.47
CIELCh	82, 30.693, 149.742
Yxy	60.2588, 0.3011, 0.3848
Android (android.graphics.Color)	4288797102 (0xFFA1D9AE)
YUV	195.3540, -10.5275, -30.1285
Hunter-Lab	77.6265, -27.4245, 16.7677

Details

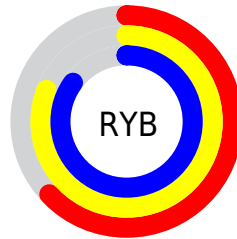
The XYZ color **47.1508, 60.2588, 49.1904** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.2613, 44.6025, 62.9840**, and the grayscale version is **52.1535, 54.8695, 59.7529**.

A 20% lighter version of the original color is **78.6582, 91.9849, 88.4720**, and **22.6175, 30.4339, 23.0946** is the 20% darker color. If you saturate the color by 10%, you get **41.6266, 57.5889, 40.9720**, and if you desaturate by 10%, it is **53.6387, 63.4057, 58.5085**.

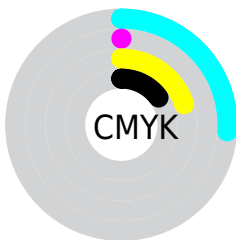
Distribution



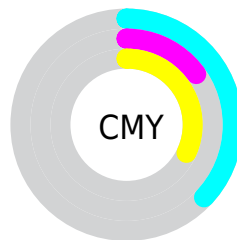
- Red (63%)
- Green (85%)
- Blue (68%)



- Red (63%)
- Yellow (81%)
- Blue (85%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)





- Cyan (37%)
- Magenta (15%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1508, 60.2588, 49.1904 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 47.1508, 60.2588, 49.1904 by changing the saturation by 10% instead.

 47.1508, 60.2588,
49.1904


 47.1508, 60.2588,
49.1904


366.0550,
425.5510, 400.1354

 33.3633, 43.6273,
34.4039


 85.1560, 105.2050,
90.3581

 22.5655, 30.3776,
22.9242


 110.1045,
134.2885, 117.5763

 14.3919, 20.1254,
14.3328

139.5041,
168.2913, 149.7756

 8.4773, 12.4862,
8.2111

173.7200,
207.5981, 187.3743

 4.4562, 7.0757,
4.1406

213.1177,
252.5930, 230.7911

 1.9633, 3.5095,
1.7028

258.0626,

 0.6132, 1.4032,

303.6605, 280.4446

0.3626

308.9199,
361.1851, 336.7531

■ 0.0000, 0.2190,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1508, 60.2588,
49.1904

■ 47.1508, 60.2588,
49.1904

■ 41.6266, 57.5889,
40.9720

■ 53.6387, 63.4057,
58.5085

■ 37.0147, 55.3651,
33.8087

■ 61.1289, 67.0434,
68.9606

■ 33.2663, 53.5650,
27.6588

■ 69.6636, 71.1947,
80.5847

■ 30.3258, 52.1607,
22.4763

■ 79.2812, 75.8788,
93.4157

■ 28.1309, 51.1214,
18.2116

■ 84.1040, 78.1080,
105.2513

■ 26.6099, 50.4110,
14.8106

■ 25.6755, 49.9858,
12.2133

■ 25.3979, 49.8616,
11.3458

Harmonies

Analogous

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



51.2998, 60.2588, 39.2007



47.1508, 60.2588, 49.1904



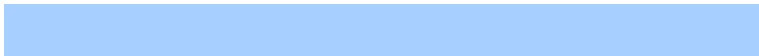
45.6723, 60.2588, 65.4510

Triad

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



47.1508, 60.2588, 49.1904



57.2181, 60.2588, 108.2658



68.8152, 60.2588, 49.4205

Complementary

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



47.1508, 60.2588, 49.1904



52.2613, 44.6025, 62.9840

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.



70.6911, 60.2588, 65.7725



47.1508, 60.2588, 49.1904



63.6953, 60.2588, 101.8198

Square

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



47.1508, 60.2588, 49.1904



51.2095, 60.2588, 101.6045



68.7518, 60.2588, 85.3324



63.7997, 60.2588, 39.3148

Rectangle

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



47.1508, 60.2588, 49.1904



46.3063, 60.2588, 78.4488



68.7518, 60.2588, 85.3324



69.8500, 60.2588, 54.2572

Sweetspot

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



47.1524, 60.2613, 49.1917



85.5186, 95.3660, 95.8217



56.3883, 65.1620, 43.3244



17.9443, 20.2372, 20.0097



0.0000, 0.0000, 0.0000



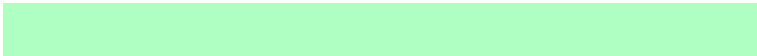
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1524, 60.2613, 49.1917



63.4246, 84.6528, 64.2128



50.0710, 61.4288, 64.5608



13.0097, 14.6555, 14.5143



15.4077, 30.1957, 7.0464



1.0315, 1.9696, 0.6320

Inverse Universe

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



52.2613, 44.6025, 62.9840



71.9904, 58.3850, 87.3277



49.2845, 43.4118, 47.3083



13.4783, 13.2204, 15.7802



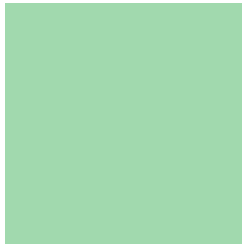
21.5660, 10.6274, 23.1584



1.4292, 0.7013, 1.6693

Previews

White Background



This preview shows how the XYZ color 47.1508, 60.2588, 49.1904 looks on a white background.

Color Contrast Check

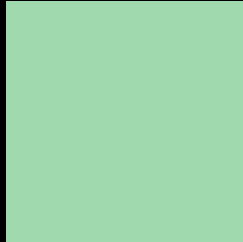
Large Text (above 18pt) WCAG AA × Fail

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 47.1508, 60.2588, 49.1904 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 47.1508, 60.2588, 49.1904

Background



This preview shows how black text looks on a background with the XYZ color 47.1508, 60.2588, 49.1904.

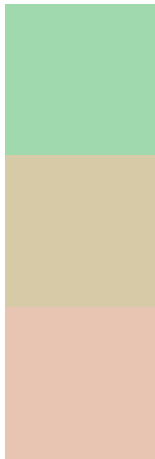


This preview shows how white text looks on a background with the XYZ color 47.1508, 60.2588,

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



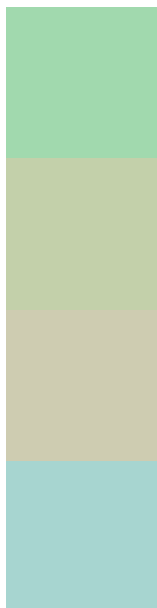
Original Color
47.1508, 60.2588, 49.1904
Protanopia
56.3553, 59.9490, 45.1603
Deuteranopia
61.0545, 59.8500, 50.4538



Tritanopia

53.7063, 60.2972, 81.4809

Trichromacy



Original Color

47.1508, 60.2588, 49.1904

Protanomaly

52.3173, 59.6161, 46.7799

Deuteranomaly

54.9823, 59.4819, 50.1782

Tritanomaly

51.1158, 60.3581, 68.6307

Monochromacy



Original Color

47.1508, 60.2588, 49.1904

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.8540, 56.3670, 55.2660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1508, 60.2588, 49.1904 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, 217, 174)` looks like.

```
.text, #text, p{  
    color:rgb(161, 217, 174)  
}
```

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, 217, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 217, 174) }
```

Border

The CSS property to change the border of an element to XYZ 47.1508, 60.2588, 49.1904 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, 217, 174) }
```


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

```
.border{ border-color:rgb(161, 217, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 217, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 217, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 217, 174);  
box-shadow:4px 4px 4px 4px rgb(161, 217,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1508, 60.2588, 49.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 217, 174) }
```

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

```
.background{ background-color: rgb(161,  
217, 174) }
```

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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