

Converting Colors

XYZ(48.1948, 61.1819, 51.5318)

Have a look what the booklet for
XYZ(48.1948, 61.1819, 51.5318)
contains.

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Color

**XYZ(48.2115, 61.1437,
51.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	A3DAB2
RGB	163, 218, 178
RGB Percent	64%, 85%, 70%
CMY	0.3608, 0.1451, 0.3020
CMYK	0.25, 0.00, 0.18, 0.15
HSL	136°, 43%, 75%
HSV	136°, 25%, 85%
XYZ	48.2115, 61.1437, 51.3804
YIQ	196.9950, -19.9400, -24.1000

Conversions

Conversions Part 2

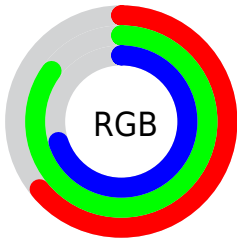
Format	Color
RYB	163, 206, 218
Decimal	10738354
CIELab	82.46, -25.62, 14.04
CIElCh	82, 29.219, 151.272
Yxy	61.1437, 0.2999, 0.3804
Android (android.graphics.Color)	4288928434 (0xFFA3DAB2)
YUV	196.9950, -9.3645, -29.8136
Hunter-Lab	78.1944, -26.7844, 15.7775

Details

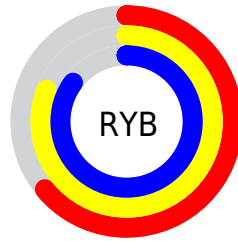
The XYZ color **48.2115, 61.1437, 51.3804** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.7922, 45.4129, 62.4855**, and the grayscale version is **53.1326, 55.8996, 60.8747**.

A 20% lighter version of the original color is **79.8247, 92.5206, 91.4930**, and **23.2293, 30.9901, 24.1594** is the 20% darker color. If you saturate the color by 10%, you get **42.6259, 58.4394, 43.2842**, and if you desaturate by 10%, it is **54.7539, 64.3234, 60.4845**.

Distribution



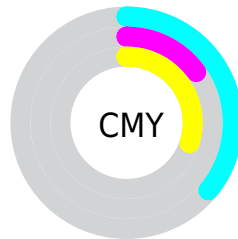
- Red (64%)
- Green (85%)
- Blue (70%)



- Red (64%)
- Yellow (81%)
- Blue (85%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2115, 61.1437, 51.3804 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 48.2115, 61.1437, 51.3804 by changing the saturation by 10% instead.


 48.2115, 61.1437,
51.3804


 48.2115, 61.1437,
51.3804


370.1985,
428.8007, 408.9286

 34.2064, 44.3411,
36.1326


 86.7270, 106.4870,
93.6341

 23.2158, 30.9388,
24.2461


 111.9681,
135.7965, 121.4770

 14.8745, 20.5522,
15.3024


141.6852,
170.0438, 154.3555

 8.8171, 12.7971,
8.8829

176.2437,
209.6132, 192.6879

 4.6782, 7.2890,
4.5691

216.0089,
254.8893, 236.8929

 2.0925, 3.6435,
1.9425

261.3462,

 0.6852, 1.4762,

306.2563, 287.3890

0.5196

312.6210,
364.0986, 344.5947

■ 0.0000, 0.2719,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2115, 61.1437,
51.3804

■ 48.2115, 61.1437,
51.3804

■ 42.6259, 58.4394,
43.2842

■ 54.7539, 64.3234,
60.4845

■ 37.9464, 56.1799,
36.1572

■ 62.2906, 67.9921,
70.6254

■ 34.1252, 54.3431,
29.9639

■ 70.8634, 72.1723,
81.8360

■ 31.1077, 52.9017,
24.6653

■ 80.5100, 76.8828,
94.1463

■ 28.8330, 51.8251,
20.2197

■ 84.3626, 78.6252,
105.3375

■ 27.2308, 51.0780,
16.5816

■ 26.2164, 50.6177,
13.7013

■ 25.8739, 50.4657,
12.5770

Harmonies

Analogous

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



52.1039, 61.1437, 41.3022



48.2115, 61.1437, 51.3804



46.9213, 61.1437, 67.3413

Triad

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



48.2115, 61.1437, 51.3804



58.3822, 61.1437, 107.1994



68.9909, 61.1437, 50.2760

Complementary

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



48.2115, 61.1437, 51.3804



52.7922, 45.4129, 62.4855

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.



70.9614, 61.1437, 65.8147



48.2115, 61.1437, 51.3804



64.5720, 61.1437, 100.4940

Square

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



48.2115, 61.1437, 51.3804



52.5343, 61.1437, 101.5017



69.2901, 61.1437, 84.5040



64.0780, 61.1437, 40.7495

Rectangle

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



48.2115, 61.1437, 51.3804



47.6314, 61.1437, 79.8428



69.2901, 61.1437, 84.5040



70.0345, 61.1437, 54.8652

Sweetspot

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



48.2132, 61.1463, 51.3818



85.6415, 95.4152, 96.4687



56.4040, 65.5335, 44.3273



17.9750, 20.2495, 20.1716



0.0000, 0.0000, 0.0000



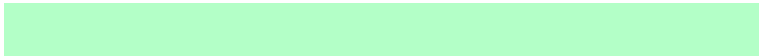
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2132, 61.1463, 51.3818



64.5861, 85.1847, 67.2925



51.2171, 62.3479, 67.2005



13.0317, 14.6643, 14.6298



15.5394, 30.2484, 7.7396



1.0427, 1.9740, 0.6907

Inverse Universe

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



52.7922, 45.4129, 62.4855



72.1310, 59.2485, 85.5793



49.8324, 44.2290, 46.8995



13.4550, 13.2111, 15.6570



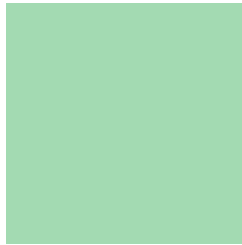
21.0952, 10.4391, 20.6789



1.4021, 0.6905, 1.5264

Previews

White Background



This preview shows how the XYZ color 48.2115, 61.1437, 51.3804 looks on a white background.

Color Contrast Check

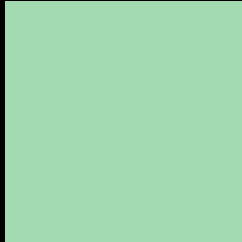
Large Text (above 18pt) WCAG AA × Fail

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 48.2115, 61.1437, 51.3804 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

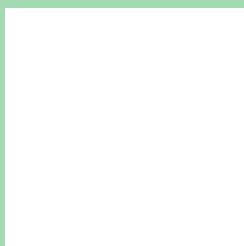
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2115, 61.1437, 51.3804

Background



This preview shows how black text looks on a background with the XYZ color 48.2115, 61.1437, 51.3804.



This preview shows how white text looks on a background with the XYZ color 48.2115, 61.1437,

51.3804.

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

48.2115, 61.1437, 51.3804

Protanopia

57.2625, 60.7249, 47.2311

Deuteranopia

61.6885, 60.4657, 52.6757



Tritanopia

54.3111, 60.9606, 82.3029

Trichromacy



Original Color

48.2115, 61.1437, 51.3804

Protanomaly

53.4664, 60.5272, 48.9093

Deuteranomaly

55.9039, 60.2642, 52.4018

Tritanomaly

52.0416, 61.1813, 70.0391

Monochromacy



Original Color

48.2115, 61.1437, 51.3804

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.1332, 57.6946, 57.1564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2115, 61.1437, 51.3804 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(163, 218, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 218, 178)  
}
```

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(163, 218, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 218, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.2115, 61.1437, 51.3804 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(163, 218, 178) }
```


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

```
.border{ border-color:rgb(163, 218, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 218, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 218, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 218, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 218,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2115, 61.1437, 51.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 218, 178) }
```

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

```
.background{ background-color: rgb(163,  
218, 178) }
```

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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