

Converting Colors

XYZ(48.3559, 63.2839, 46.7122)

Have a look what the booklet for
XYZ(48.3559, 63.2839, 46.7122)
contains.

XYZ(48.3559, 63.2839, 46.7122)	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(48.3559, 63.2839,
46.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	A2DFA8
RGB	162, 223, 168
RGB Percent	64%, 87%, 66%
CMY	0.3647, 0.1255, 0.3412
CMYK	0.27, 0.00, 0.25, 0.13
HSL	126°, 49%, 75%
HSV	126°, 27%, 87%
XYZ	48.3559, 63.2839, 46.7122
YIQ	198.4910, -18.7010, -30.0370

Conversions

Conversions Part 2

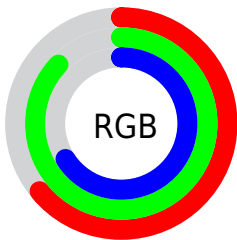
Format	Color
RYB	162, 218, 223
Decimal	10674088
CIELab	83.59, -30.12, 20.87
CIELCh	84, 36.643, 145.284
Yxy	63.2839, 0.3054, 0.3996
Android (android.graphics.Color)	4288864168 (0xFFA2DFA8)
YUV	198.4910, -15.0321, -32.0026
Hunter-Lab	79.5512, -30.7117, 20.8709

Details

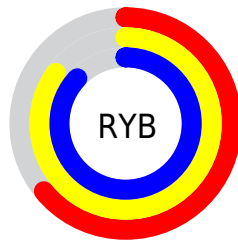
The XYZ color **48.3559, 63.2839, 46.7122** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.8783, 46.5399, 71.6864**, and the grayscale version is **54.0737, 56.8897, 61.9529**.

A 20% lighter version of the original color is **77.9927, 91.7531, 83.4115**, and **23.4617, 32.5174, 21.5629** is the 20% darker color. If you saturate the color by 10%, you get **42.4908, 60.4621, 37.4043**, and if you desaturate by 10%, it is **55.3173, 66.6410, 57.5860**.

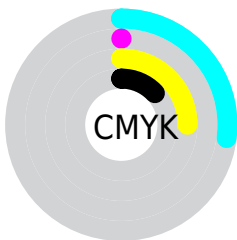
Distribution



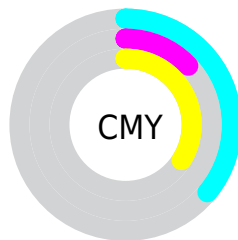
- Red (64%)
- Green (87%)
- Blue (66%)



- Red (64%)
- Yellow (85%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)





- Cyan (36%)
- Magenta (13%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3559, 63.2839, 46.7122 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 48.3559, 63.2839, 46.7122 by changing the saturation by 10% instead.


 48.3559, 63.2839,
46.7122


 48.3559, 63.2839,
46.7122


370.7603,
436.5991, 390.0250

 34.3212, 46.0709,
32.4555


 86.9406, 109.5790,
86.6293

 23.3045, 32.3018,
21.4419


 112.2213,
139.4299, 113.1269

 14.9405, 21.5921,
13.2530


141.9814,
174.2622, 144.5417

 8.8637, 13.5575,
7.4703

176.5862,
214.4604, 181.2924

 4.7088, 7.8136,
3.6750

216.4012,
260.4087, 223.7976

 2.1104, 3.9759,
1.4488

261.7916,

 0.6949, 1.6601,

312.4917, 272.4757

0.1794

313.1228,
371.0937, 327.7454

■ 0.0000, 0.3976,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3559, 63.2839,
46.7122

■ 48.3559, 63.2839,
46.7122

■ 42.4908, 60.4621,
37.4043

■ 55.3173, 66.6410,
57.5860

■ 37.6613, 58.1405,
29.5864

■ 63.4218, 70.5507,
70.0888

■ 33.8085, 56.2920,
23.1822

■ 72.7195, 75.0392,
84.2852

■ 30.8653, 54.8840,
18.1073

■ 83.2559, 80.1288,
100.2351

■ 28.7563, 53.8796,
14.2682

■ 85.6789, 81.2578,
105.7763

■ 27.3936, 53.2356,
11.5594

■ 26.6635, 52.8962,
9.8571

■ 26.5331, 52.8355,
9.5556

Harmonies

Analogous

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



53.8076, 63.2839, 36.2197



48.3559, 63.2839, 46.7122



46.0674, 63.2839, 65.3420

Triad

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



48.3559, 63.2839, 46.7122



58.8920, 63.2839, 122.8824



75.1795, 63.2839, 51.7293

Complementary

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



48.3559, 63.2839, 46.7122



55.8783, 46.5399, 71.6864

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.



76.8433, 63.2839, 72.5961



48.3559, 63.2839, 46.7122



66.9710, 63.2839, 116.9842

Square

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



48.3559, 63.2839, 46.7122



51.7968, 63.2839, 111.8984



73.7197, 63.2839, 97.2051



69.3549, 63.2839, 38.6335

Rectangle

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



48.3559, 63.2839, 46.7122



46.4810, 63.2839, 81.2004



73.7197, 63.2839, 97.2051



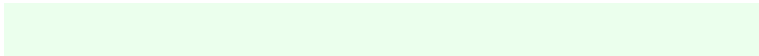
76.2647, 63.2839, 57.9187

Sweetspot

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



48.3576, 63.2866, 46.7136



85.1177, 95.2056, 93.7101



61.8004, 70.2797, 44.4912



17.8441, 20.1972, 19.4822



0.0000, 0.0000, 0.0000



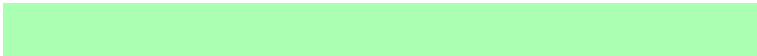
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3576, 63.2866, 46.7136



60.6715, 83.4209, 55.6195



51.4349, 64.5175, 62.9187



13.5833, 15.3590, 14.8408



15.6191, 31.0725, 5.7174



1.1016, 2.1613, 0.4960

Inverse Universe

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



55.8783, 46.5399, 71.6864



72.5203, 57.0275, 94.9566



52.3681, 45.1357, 53.2015



14.2339, 13.9112, 17.0017



24.1202, 11.7151, 33.6285



1.6890, 0.8189, 2.4209

Previews

White Background



This preview shows how the XYZ color 48.3559, 63.2839, 46.7122 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 48.3559, 63.2839, 46.7122 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 48.3559, 63.2839, 46.7122

Background



This preview shows how black text looks on a background with the XYZ color 48.3559, 63.2839, 46.7122.

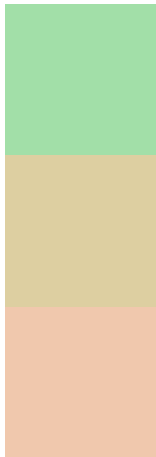


This preview shows how white text looks on a background with the XYZ color 48.3559, 63.2839,

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

48.3559, 63.2839, 46.7122

Protanopia

58.5646, 62.5710, 42.7089

Deuteranopia

64.1323, 62.8509, 48.2865



Tritanopia

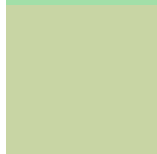
56.3215, 63.4257, 85.6179

Trichromacy



Original Color

48.3559, 63.2839, 46.7122



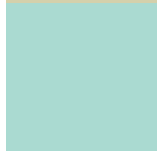
Protanomaly

54.3145, 62.5482, 44.3323



Deuteranomaly

57.0579, 62.0491, 47.4975



Tritanomaly

53.1576, 63.2923, 69.7365

Monochromacy



Original Color

48.3559, 63.2839, 46.7122



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.2900, 58.5278, 55.6074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3559, 63.2839, 46.7122 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(162, 223, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 223, 168)  
}
```

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(162, 223, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 223, 168) }
```

Border

The CSS property to change the border of an element to XYZ 48.3559, 63.2839, 46.7122 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(162, 223, 168) }
```


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

```
.border{ border-color:rgb(162, 223, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 223, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 223, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 223, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 223,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3559, 63.2839, 46.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 223, 168) }
```

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

```
.background{ background-color: rgb(162,  
223, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor