

Converting Colors

XYZ(42.2894, 50.3168, 46.3436)

Have a look what the booklet for
XYZ(42.2894, 50.3168, 46.3436)
contains.

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Color

**XYZ(42.2906, 50.2449,
46.4990)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C4AC
RGB	163, 196, 172
RGB Percent	64%, 77%, 67%
CMY	0.3608, 0.2314, 0.3255
CMYK	0.17, 0.00, 0.12, 0.23
HSL	136°, 22%, 70%
HSV	136°, 17%, 77%
XYZ	42.2906, 50.2449, 46.4990
YIQ	183.3970, -11.9640, -14.4600

Conversions

Conversions Part 2

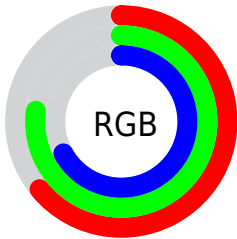
Format	Color
RYB	163, 189, 196
Decimal	10732716
CIELab	76.22, -15.78, 8.39
CIELCh	76, 17.873, 152.012
Yxy	50.2449, 0.3042, 0.3614
Android (android.graphics.Color)	4288922796 (0xFFA3C4AC)
YUV	183.3970, -5.6187, -17.8882
Hunter-Lab	70.8836, -17.5497, 10.7249

Details

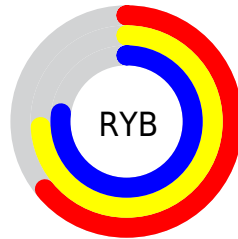
The XYZ color **42.2906, 50.2449, 46.4990** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8336, 41.5193, 52.6671**, and the grayscale version is **45.2635, 47.6207, 51.8589**.

A 20% lighter version of the original color is **77.9038, 90.7020, 86.0743**, and **19.6187, 24.0816, 21.3835** is the 20% darker color. If you saturate the color by 10%, you get **37.2879, 47.8171, 39.4977**, and if you desaturate by 10%, it is **48.0650, 53.0564, 54.3053**.

Distribution



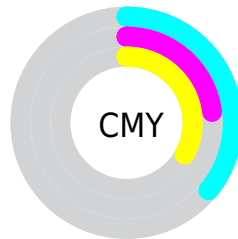
- Red (64%)
- Green (77%)
- Blue (67%)



- Red (64%)
- Yellow (74%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)





- Cyan (36%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2906, 50.2449, 46.4990 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 42.2906, 50.2449, 46.4990 by changing the saturation by 10% instead.


 42.2906, 50.2449,
46.4990


 42.2906, 50.2449,
46.4990


346.6573,
387.6229, 389.1469

 29.5210, 35.6080,
32.2883

 77.9017, 90.5376,
86.3074

 19.6216, 24.1316,
21.3151


 101.4738,
116.9623, 112.7422

 12.2269, 15.4313,
13.1611

129.3776,
148.0850, 144.0888

 6.9717, 9.1226,
7.4075

161.9783,
184.2901, 180.7656

 3.4906, 4.8213,
3.6360

199.6412,
225.9620, 223.1913

 1.4182, 2.1428,
1.4278

242.7318,

 0.2691, 0.6885,

273.4852, 271.7844

0.1633

291.6154,
327.2440, 326.9634

■ 0.0000, 0.0000,
0.0000

■ 42.2906, 50.2449,
46.4990

■ 42.2906, 50.2449,
46.4990

■ 37.2879, 47.8171,
39.4977

■ 48.0650, 53.0564,
54.3053

■ 33.0195, 45.7500,
33.2723

■ 54.6381, 56.2606,
62.9376

■ 29.4512, 44.0280,
27.7971

■ 62.0406, 59.8745,
72.4204

■ 26.5443, 42.6317,
23.0434

■ 70.3003, 63.9119,
82.7764

■ 24.2563, 41.5397,
18.9809

■ 77.2005, 67.2296,
93.9220

■ 22.5394, 40.7282,
15.5770

■ 79.0309, 67.9617,
103.5603

■ 21.3384, 40.1694,
12.7964

■ 20.5811, 39.8268,
10.6001

■ 20.3939, 39.7429,
10.0191

Harmonies

Analogous

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



44.4221, 50.2449, 40.5082



42.2906, 50.2449, 46.4990



41.6033, 50.2449, 55.3586

Triad

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



42.2906, 50.2449, 46.4990



47.9828, 50.2449, 75.2949



53.4295, 50.2449, 45.4994

Complementary

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



42.2906, 50.2449, 46.4990



44.8336, 41.5193, 52.6671

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.



54.4879, 50.2449, 54.0628



42.2906, 50.2449, 46.4990



51.2532, 50.2449, 71.8903

Square

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



42.2906, 50.2449, 46.4990



44.7965, 50.2449, 72.6704



53.6737, 50.2449, 63.8307



50.8436, 50.2449, 39.9802

Rectangle

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



42.2906, 50.2449, 46.4990



42.0294, 50.2449, 61.9185



53.6737, 50.2449, 63.8307



53.9810, 50.2449, 48.0805

Sweetspot

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



42.2920, 50.2470, 46.5001



89.0565, 97.0786, 101.0135



46.8952, 52.7166, 42.3548



18.8879, 20.6941, 21.3905



0.0000, 0.0000, 0.0000



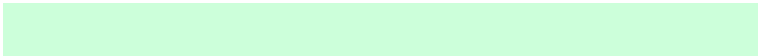
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2920, 50.2470, 46.5001



73.3047, 89.4145, 79.6617



43.9553, 50.9124, 55.2591



10.0548, 11.3030, 11.2917



13.1348, 25.5480, 6.6032



0.5976, 1.1159, 0.4435

Inverse Universe

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



44.8336, 41.5193, 52.6671



78.7238, 70.8021, 92.8082



43.1858, 40.8602, 43.9901



10.3763, 10.1991, 12.0721



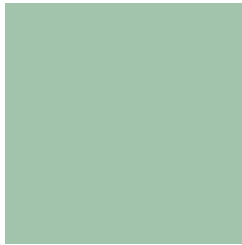
17.8290, 8.8213, 17.5434



0.7980, 0.3922, 0.9038

Previews

White Background



This preview shows how the XYZ color 42.2906, 50.2449, 46.4990 looks on a white background.

Color Contrast Check

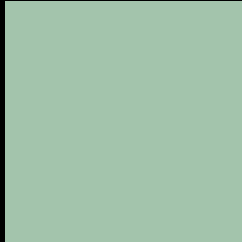
Large Text (above 18pt) WCAG AA × Fail

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 42.2906, 50.2449, 46.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

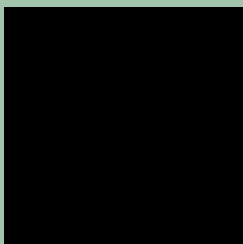
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2906, 50.2449, 46.4990

Background



This preview shows how black text looks on a background with the XYZ color 42.2906, 50.2449, 46.4990.



This preview shows how white text looks on a background with the XYZ color 42.2906, 50.2449,

46.4990.

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

42.2906, 50.2449, 46.4990

Protanopia

47.5103, 50.0664, 43.7189

Deuteranopia

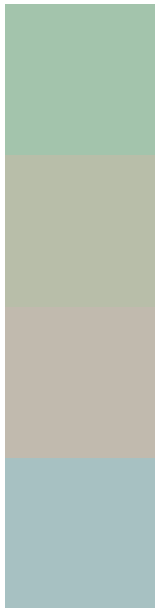
50.8401, 49.8445, 47.4988



Tritanopia

46.1336, 50.1529, 65.6415

Trichromacy



Original Color

42.2906, 50.2449, 46.4990

Protanomaly

45.3421, 49.8818, 44.7745

Deuteranomaly

47.1912, 49.5113, 47.1138

Tritanomaly

44.7439, 50.2505, 58.3800

Monochromacy



Original Color

42.2906, 50.2449, 46.4990

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0244, 48.4512, 49.6795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2906, 50.2449, 46.4990 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, 196, 172)` looks like.

```
.text, #text, p{  
    color:rgb(163, 196, 172)  
}
```

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, 196, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 196, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.2906, 50.2449, 46.4990 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, 196, 172) }
```


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

```
.border{ border-color:rgb(163, 196, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 196, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 196, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 196, 172);  
box-shadow:4px 4px 4px 4px rgb(163, 196,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2906, 50.2449, 46.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 196, 172) }
```

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

```
.background{ background-color: rgb(163,  
196, 172) }
```

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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