

Converting Colors

XYZ(42.8481, 54.9901, 49.4585)

Have a look what the booklet for
XYZ(42.8481, 54.9901, 49.4585)
contains.

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Color

**XYZ(42.8497, 55.0314,
49.4380)**

Conversions

Conversions Part 1

Format	Color
Hex	94D1B0
RGB	148, 209, 176
RGB Percent	58%, 82%, 69%
CMY	0.4196, 0.1804, 0.3098
CMYK	0.29, 0.00, 0.16, 0.18
HSL	148°, 40%, 70%
HSV	148°, 29%, 82%
XYZ	42.8497, 55.0314, 49.4380
YIQ	186.9990, -25.7630, -23.1950

Conversions

Conversions Part 2

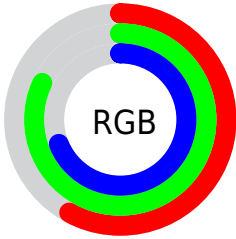
Format	Color
RYB	148, 190, 209
Decimal	9753008
CIELab	79.06, -26.35, 10.18
CIELCh	79, 28.246, 158.885
Yxy	55.0314, 0.2909, 0.3736
Android (android.graphics.Color)	4287943088 (0xFF94D1B0)
YUV	186.9990, -5.4225, -34.2021
Hunter-Lab	74.1832, -26.7153, 12.4155

Details

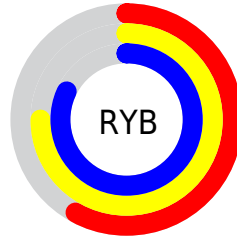
The XYZ color **42.8497, 55.0314, 49.4380** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2268, 38.0727, 48.6835**, and the grayscale version is **47.2748, 49.7367, 54.1633**.

A 20% lighter version of the original color is **74.9541, 90.0427, 89.7734**, and **19.8501, 26.9742, 22.8992** is the 20% darker color. If you saturate the color by 10%, you get **38.3327, 52.8283, 43.6282**, and if you desaturate by 10%, it is **48.1455, 57.6283, 55.7731**.

Distribution



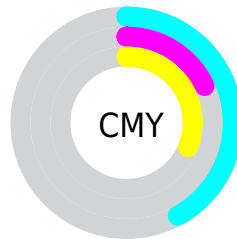
- Red (58%)
- Green (82%)
- Blue (69%)



- Red (58%)
- Yellow (75%)
- Blue (82%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)




- Cyan (42%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8497, 55.0314, 49.4380 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 42.8497, 55.0314, 49.4380 by changing the saturation by 10% instead.


 42.8497, 55.0314,
49.4380


 42.8497, 55.0314,
49.4380


348.9253,
406.0309, 401.1360

 29.9612, 39.4269,
34.5990


 78.7411, 97.5870,
90.7293

 19.9571, 27.0920,
23.0731


 102.4748,
125.3068, 118.0188

 12.4719, 17.6423,
14.4417


130.5542,
157.8338, 150.2954

 7.1404, 10.6935,
8.2862

163.3448,
195.5524, 187.9779

 3.5972, 5.8611,
4.1883

201.2118,
238.8471, 231.4846

 1.4769, 2.7608,
1.7292

244.5206,

 0.3100, 1.0082,

288.1021, 281.2342

0.3806

293.6367,
343.7019, 337.6451

■ 0.0000, 0.0000,
0.0000

■ 42.8497, 55.0314,
49.4380

■ 42.8497, 55.0314,
49.4380

■ 38.3327, 52.8283,
43.6282

■ 48.1455, 57.6283,
55.7731

■ 34.5511, 50.9922,
38.3264

■ 54.2517, 60.6304,
62.6429

■ 31.4636, 49.5037,
33.5196

■ 61.2038, 64.0573,
70.0612

■ 29.0233, 48.3389,
29.1928

■ 69.0335, 67.9252,
78.0402

■ 27.1766, 47.4705,
25.3301

■ 77.7711, 72.2494,
86.5916

■ 25.8609, 46.8665,
21.9147

■ 80.3471, 73.3852,
95.3946

■ 24.9735, 46.4742,
18.9271

■ 82.0915, 74.0829,
104.5805

■ 24.9097, 46.4462,
18.7021

Harmonies

Analogous

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



45.8047, 55.0314, 38.8951



42.8497, 55.0314, 49.4380



42.3296, 55.0314, 64.8331

Triad

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



42.8497, 55.0314, 49.4380



53.9943, 55.0314, 96.0357



61.1859, 55.0314, 42.5001

Complementary

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



42.8497, 55.0314, 49.4380



45.2268, 38.0727, 48.6835

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.



63.7377, 55.0314, 55.2613



42.8497, 55.0314, 49.4380



59.3944, 55.0314, 87.4147

Square

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



42.8497, 55.0314, 49.4380



48.5048, 55.0314, 93.7150



63.0596, 55.0314, 71.7875



56.3002, 55.0314, 35.4172

Rectangle

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



42.8497, 55.0314, 49.4380



43.3943, 55.0314, 76.1651



63.0596, 55.0314, 71.7875



62.3605, 55.0314, 46.1662

Sweetspot

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



42.8512, 55.0337, 49.4392



85.1698, 95.1301, 98.3380



47.3329, 57.6319, 36.6471



17.9103, 20.2045, 20.6973



0.0000, 0.0000, 0.0000



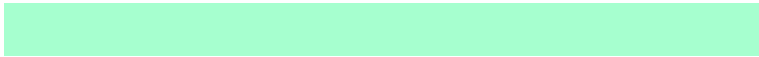
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8512, 55.0337, 49.4392



62.6612, 84.0911, 71.7778



46.1496, 56.3530, 66.8081



11.8788, 13.2953, 13.7179



15.4064, 28.6555, 11.7864



0.9013, 1.6182, 0.8688

Inverse Universe

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



45.2268, 38.0727, 48.6835



66.9728, 53.2984, 70.3993



42.4760, 36.9724, 34.1980



12.0724, 11.9137, 13.6568



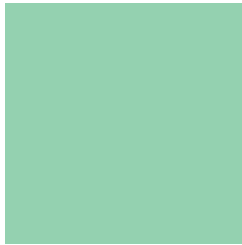
18.1029, 9.1140, 10.7141



1.0520, 0.5255, 0.8087

Previews

White Background



This preview shows how the XYZ color 42.8497, 55.0314, 49.4380 looks on a white background.

Color Contrast Check

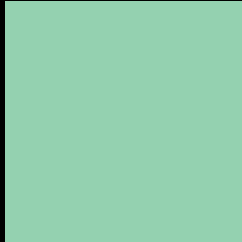
Large Text (above 18pt) WCAG AA × Fail

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 42.8497, 55.0314, 49.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

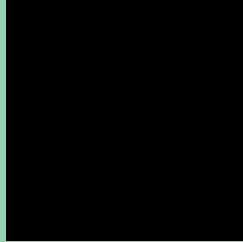
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8497, 55.0314, 49.4380

Background



This preview shows how black text looks on a background with the XYZ color 42.8497, 55.0314, 49.4380.



This preview shows how white text looks on a background with the XYZ color 42.8497, 55.0314,

49.4380.

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

42.8497, 55.0314, 49.4380

Protanopia

51.6301, 54.4273, 45.3204

Deuteranopia

55.4349, 54.3218, 50.7434



Tritanopia

48.0467, 54.9944, 75.1005

Trichromacy



Original Color

42.8497, 55.0314, 49.4380

Protanomaly

47.6370, 54.0158, 46.9451

Deuteranomaly

49.8689, 54.0720, 50.4564

Tritanomaly

45.9372, 54.8445, 64.6648

Monochromacy



Original Color

42.8497, 55.0314, 49.4380

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.2959, 51.3333, 52.3207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8497, 55.0314, 49.4380 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(148, 209, 176)` looks like.

```
.text, #text, p{  
    color:rgb(148, 209, 176)  
}
```

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(148, 209, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 209, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.8497, 55.0314, 49.4380 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(148, 209, 176) }
```


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

```
.border{ border-color:rgb(148, 209, 176) }
```

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

Here you see how a box with a 4 pixel rgb(148, 209, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 209, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 209, 176);  
box-shadow:4px 4px 4px 4px rgb(148, 209,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8497, 55.0314, 49.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 209, 176) }
```

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

```
.background{ background-color: rgb(148,  
209, 176) }
```

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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