

Converting Colors

XYZ(42.2148, 49.9278, 43.9570)

Have a look what the booklet for
XYZ(42.2148, 49.9278, 43.9570)
contains.

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Color

**XYZ(42.2160, 49.9272,
43.9711)**

Conversions

Conversions Part 1	
Format	Color
Hex	A6C3A7
RGB	166, 195, 167
RGB Percent	65%, 76%, 65%
CMY	0.3490, 0.2353, 0.3451
CMYK	0.15, 0.00, 0.14, 0.24
HSL	122°, 19%, 71%
HSV	122°, 15%, 76%
XYZ	42.2160, 49.9272, 43.9711
YIQ	183.1370, -8.2960, -14.8560

Conversions

Conversions Part 2

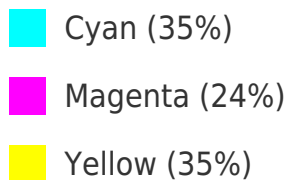
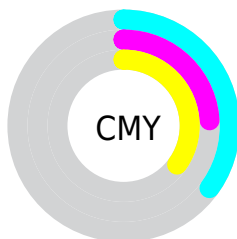
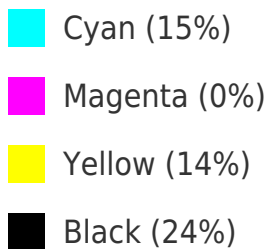
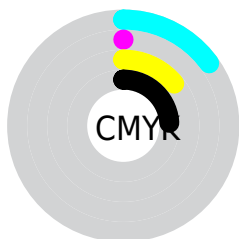
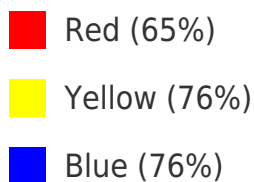
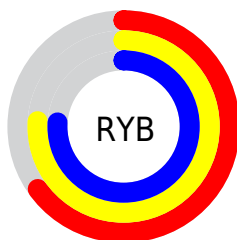
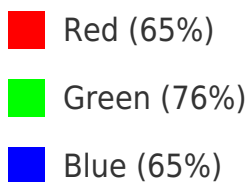
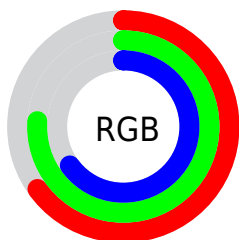
Format	Color
RYB	166, 194, 195
Decimal	10929063
CIELab	76.02, -15.17, 10.83
CIELCh	76, 18.638, 144.468
Yxy	49.9272, 0.3102, 0.3668
Android (android.graphics.Color)	4289119143 (0xFFA6C3A7)
YUV	183.1370, -7.9555, -15.0291
Hunter-Lab	70.6592, -17.0070, 12.5654

Details

The XYZ color **42.2160, 49.9272, 43.9711** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.8812, 42.7707, 56.8785**, and the grayscale version is **45.1315, 47.4819, 51.7078**.

A 20% lighter version of the original color is **77.8140, 90.2669, 82.4293**, and **19.5588, 23.8650, 19.7952** is the 20% darker color. If you saturate the color by 10%, you get **36.8184, 47.3327, 35.2848**, and if you desaturate by 10%, it is **48.4896, 52.9468, 54.0233**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2160, 49.9272, 43.9711 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 42.2160, 49.9272, 43.9711 by changing the saturation by 10% instead.


 42.2160, 49.9272,
43.9711


 42.2160, 49.9272,
43.9711


346.3540,
386.3812, 378.6282

 29.4623, 35.3556,
30.3108


 77.7895, 90.0670,
82.4763

 19.5769, 23.9369,
19.8205


 101.3401,
116.4040, 108.1582

 12.1943, 15.2868,
12.0819


129.2203,
147.4315, 138.6844

 6.9493, 9.0209,
6.6762

161.7956,
183.5339, 174.4733

 3.4765, 4.7548,
3.1851

199.4312,
225.0957, 215.9437

 1.4104, 2.1041,
1.1899

242.4926,


 0.2636, 0.6670,


272.5013, 263.5139


0.0000


291.3451,
326.1350, 317.6026


 0.0000, 0.0000,
0.0000


 42.2160, 49.9272,
43.9711


 42.2160, 49.9272,
43.9711

 36.8184, 47.3327,
35.2848

 48.4896, 52.9468,
54.0233


 32.2540, 45.1384,
27.9023


 55.6715, 56.4028,
65.4933


 28.4825, 43.3261,
21.7619

 63.7972, 60.3137,
78.4343

 25.4588, 41.8741,
16.7952

 72.8992, 64.6953,
92.8958

 23.1330, 40.7583,
12.9275

 78.8061, 67.5122,
103.4854

■ 21.4493, 39.9518,
10.0754

■ 20.3434, 39.4233,
8.1436

■ 19.7376, 39.1352,
7.0188

■ 19.5529, 39.0469,
6.6994

Harmonies

Analogous

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



44.7372, 49.9272, 38.7226



42.2160, 49.9272, 43.9711



41.1025, 49.9272, 52.5361

Triad

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



42.2160, 49.9272, 43.9711



46.8123, 49.9272, 75.7477



53.8071, 49.9272, 46.8071

Complementary

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



42.2160, 49.9272, 43.9711



45.8812, 42.7707, 56.8785

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.



54.4289, 49.9272, 56.2302



42.2160, 49.9272, 43.9711



50.2792, 49.9272, 73.7308

Square

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



42.2160, 49.9272, 43.9711



43.6718, 49.9272, 71.4908



53.1089, 49.9272, 66.2736



51.4491, 49.9272, 40.2145

Rectangle

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



42.2160, 49.9272, 43.9711



41.2672, 49.9272, 59.2905



53.1089, 49.9272, 66.2736



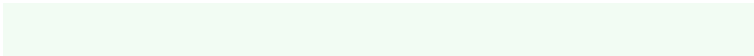
54.2308, 49.9272, 49.7149

Sweetspot

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



42.2174, 49.9293, 43.9722



87.8232, 95.2964, 98.3222



48.6569, 53.2597, 43.7925



19.0292, 20.7712, 21.2066



0.0000, 0.0000, 0.0000



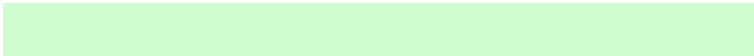
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2174, 49.9293, 43.9722



72.1428, 87.7530, 73.1829



43.6309, 50.4947, 51.4159



9.9582, 11.2643, 10.7832



12.7142, 25.3797, 4.3878



0.5543, 1.0986, 0.2157

Inverse Universe

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



45.8812, 42.7707, 56.8785



80.0171, 72.3672, 100.9205



44.3342, 42.1519, 48.7320



10.4818, 10.2413, 12.6277



20.5529, 9.9109, 31.8875



0.8928, 0.4301, 1.4029

Previews

White Background



This preview shows how the XYZ color 42.2160, 49.9272, 43.9711 looks on a white background.

Color Contrast Check

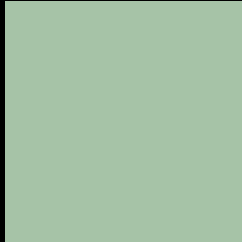
Large Text (above 18pt) WCAG AA × Fail

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 42.2160, 49.9272, 43.9711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

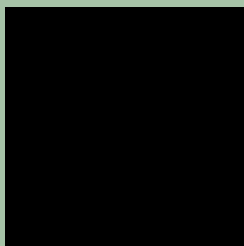
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

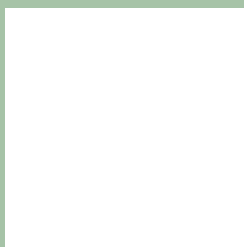
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2160, 49.9272, 43.9711

Background



This preview shows how black text looks on a background with the XYZ color 42.2160, 49.9272, 43.9711.



This preview shows how white text looks on a background with the XYZ color 42.2160, 49.9272,

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

42.2160, 49.9272, 43.9711

Protanopia

47.1461, 49.9208, 41.8011

Deuteranopia

50.4409, 49.3937, 44.9056



Tritanopia

46.4462, 50.0053, 64.9616

Trichromacy

	Original Color 42.2160, 49.9272, 43.9711
	Protanomaly 45.1219, 49.8215, 42.3603
	Deuteranomaly 47.0161, 49.1646, 44.5478
	Tritanomaly 44.8312, 50.0069, 56.5797

Monochromacy

	Original Color 42.2160, 49.9272, 43.9711
	Achromatopsia 45.0092, 47.3531, 51.5676
	Achromatomaly 43.8376, 48.0621, 48.5614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2160, 49.9272, 43.9711 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(166, 195, 167) looks like.

```
.text, #text, p{  
    color:rgb(166, 195, 167)  
}
```

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(166, 195, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 195, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.2160, 49.9272, 43.9711 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(166, 195, 167) }
```


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

```
.border{ border-color:rgb(166, 195, 167) }
```

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

Here you see how a box with a 4 pixel rgb(166, 195, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 195, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 195, 167);  
box-shadow:4px 4px 4px 4px rgb(166, 195,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2160, 49.9272, 43.9711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 195, 167) }
```

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

```
.background{ background-color: rgb(166,  
195, 167) }
```

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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