

Converting Colors

XYZ(42.0623, 49.8900, 42.0632)

Have a look what the booklet for
XYZ(42.0623, 49.8900, 42.0632)
contains.

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Color

**XYZ(42.0623, 49.8900,
42.0632)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C3A3
RGB	167, 195, 163
RGB Percent	65%, 76%, 64%
CMY	0.3451, 0.2353, 0.3608
CMYK	0.14, 0.00, 0.16, 0.24
HSL	113°, 21%, 70%
HSV	113°, 16%, 76%
XYZ	42.0623, 49.8900, 42.0632
YIQ	182.9800, -6.4160, -15.8880

Conversions

Conversions Part 2

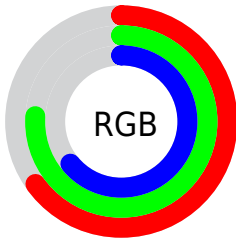
Format	Color
RYB	163, 195, 191
Decimal	10994595
CIELab	76.00, -15.53, 12.96
CIELCh	76, 20.231, 140.155
Yxy	49.8900, 0.3139, 0.3723
Android (android.graphics.Color)	4289184675 (0xFFA7C3A3)
YUV	182.9800, -9.8501, -14.0145
Hunter-Lab	70.6329, -17.3096, 14.1347

Details

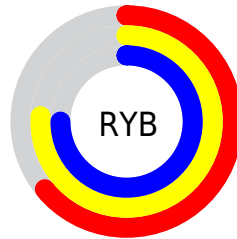
The XYZ color **42.0623, 49.8900, 42.0632** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4354, 41.2123, 57.2451**, and the grayscale version is **45.0547, 47.4010, 51.6197**.

A 20% lighter version of the original color is **77.5895, 90.2124, 79.6530**, and **19.4644, 23.8423, 18.6151** is the 20% darker color. If you saturate the color by 10%, you get **37.0782, 47.5086, 33.4020**, and if you desaturate by 10%, it is **47.7942, 52.6286, 52.1679**.

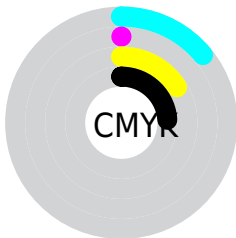
Distribution



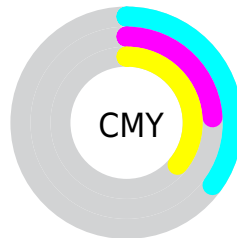
- Red (65%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)





- Cyan (35%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0623, 49.8900, 42.0632 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 42.0623, 49.8900, 42.0632 by changing the saturation by 10% instead.


 42.0623, 49.8900,
42.0632


 42.0623, 49.8900,
42.0632


345.7284,
386.2356, 370.5522

 29.3414, 35.3260,
28.8248


 77.5585, 90.0119,
79.5664

 19.4848, 23.9141,
18.7039

 101.0645,
116.3385, 104.6683

 12.1272, 15.2699,
11.2819


128.8962,
147.3549, 134.5618

 6.9032, 9.0090,
6.1402

161.4190,
183.4453, 169.6655

 3.4474, 4.7471,
2.8604

198.9983,
224.9942, 210.3978

 1.3945, 2.0996,
1.0238

241.9994,

 0.2523, 0.6644,

272.3859, 257.1773

0.0000

290.7876,
326.0050, 310.4226

■ 0.0000, 0.0000,
0.0000

■ 42.0623, 49.8900,
42.0632

■ 42.0623, 49.8900,
42.0632

■ 37.0782, 47.5086,
33.4020

■ 47.7942, 52.6286,
52.1679

■ 32.8072, 45.4637,
26.1153

■ 54.2989, 55.7318,
63.7742

■ 29.2176, 43.7418,
20.1335

■ 61.6051, 59.2144,
76.9411

■ 26.2738, 42.3264,
15.3794

■ 69.7390, 63.0888,
91.7235

■ 23.9370, 41.1993,
11.7679

■ 77.8264, 67.0071,
103.4395

■ 22.1641, 40.3403,
9.2030

■ 78.8061, 67.5121,
103.4854

■ 20.9063, 39.7266,
7.5729

■ 20.1043, 39.3310,
6.7330

■ 19.9016, 39.2309,
6.5234

Harmonies

Analogous

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



44.9621, 49.8900, 37.0527



42.0623, 49.8900, 42.0632



40.6218, 49.8900, 50.8447

Triad

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



42.0623, 49.8900, 42.0632



46.1888, 49.8900, 77.4814



54.5635, 49.8900, 47.4704

Complementary

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



42.0623, 49.8900, 42.0632



44.4354, 41.2123, 57.2451

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.



54.9349, 49.8900, 57.9538



42.0623, 49.8900, 42.0632



49.9637, 49.8900, 76.2631

Square

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



42.0623, 49.8900, 42.0632



42.9193, 49.8900, 71.8933



53.2121, 49.8900, 68.7567



52.2226, 49.8900, 39.8754

Rectangle

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



42.0623, 49.8900, 42.0632



40.6280, 49.8900, 58.0691



53.2121, 49.8900, 68.7567



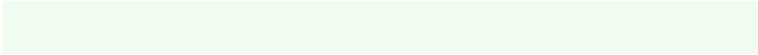
54.9274, 49.8900, 50.7391

Sweetspot

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



42.0636, 49.8921, 42.0643



87.0685, 94.9569, 96.0433



47.6913, 51.3942, 42.0576



18.8932, 20.7116, 20.7236



0.0000, 0.0000, 0.0000



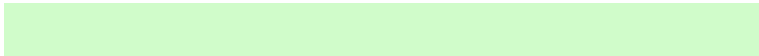
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0636, 49.8921, 42.0643



71.6961, 87.6152, 68.9849



42.3326, 49.9036, 47.8228



10.0588, 11.3178, 10.7163



12.9738, 25.5171, 4.2415



0.5999, 1.1228, 0.1851

Inverse Universe

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



44.4354, 41.2123, 57.2451



76.8085, 68.8974, 101.7201



44.1797, 41.2278, 50.5765



10.3694, 10.1816, 12.7035



17.3144, 8.1863, 34.2242



0.7835, 0.3720, 1.4804

Previews

White Background



This preview shows how the XYZ color 42.0623, 49.8900, 42.0632 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 42.0623, 49.8900, 42.0632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

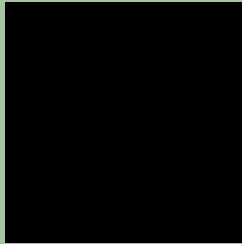
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0623, 49.8900, 42.0632

Background



This preview shows how black text looks on a background with the XYZ color 42.0623, 49.8900, 42.0632.



This preview shows how white text looks on a background with the XYZ color 42.0623, 49.8900,

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

42.0623, 49.8900, 42.0632

Protanopia

47.0543, 49.9142, 39.9553

Deuteranopia

50.6448, 49.5418, 42.9697



Tritanopia

46.5522, 49.7535, 64.2766

Trichromacy



Original Color

42.0623, 49.8900, 42.0632

Protanomaly

45.0083, 49.8041, 40.4987

Deuteranomaly

46.9054, 49.1503, 42.6121

Tritanomaly

44.6107, 49.5937, 55.3654

Monochromacy



Original Color

42.0623, 49.8900, 42.0632

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.7383, 48.0223, 48.0383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0623, 49.8900, 42.0632 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(167, 195, 163)` looks like.

```
.text, #text, p{  
    color:rgb(167, 195, 163)  
}
```

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(167, 195, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 195, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.0623, 49.8900, 42.0632 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(167, 195, 163) }
```


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

```
.border{ border-color:rgb(167, 195, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 195, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 195, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 195, 163);  
box-shadow:4px 4px 4px 4px rgb(167, 195,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0623, 49.8900, 42.0632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 195, 163) }
```

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

```
.background{ background-color: rgb(167,  
195, 163) }
```

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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