

Converting Colors

XYZ(42.7223, 49.8135, 41.6439)

Have a look what the booklet for
XYZ(42.7223, 49.8135, 41.6439)
contains.

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Color

**XYZ(42.8266, 49.9629,
41.5690)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC2A2
RGB	172, 194, 162
RGB Percent	67%, 76%, 64%
CMY	0.3255, 0.2392, 0.3647
CMYK	0.11, 0.00, 0.16, 0.24
HSL	101°, 21%, 70%
HSV	101°, 16%, 76%
XYZ	42.8266, 49.9629, 41.5690
YIQ	183.7740, -2.8400, -14.6160

Conversions

Conversions Part 2

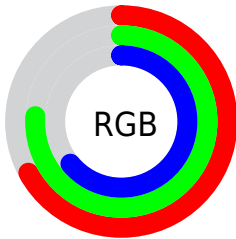
Format	Color
R _{YB}	162, 194, 184
Decimal	11322018
CIE _{Lab}	76.05, -13.43, 13.61
CIE _{LCh}	76, 19.124, 134.618
Yxy	49.9629, 0.3187, 0.3719
Android (android.graphics.Color)	4289512098 (0xFFACC2A2)
YUV	183.7740, -10.7346, -10.3258
Hunter-Lab	70.6844, -15.5474, 14.6111

Details

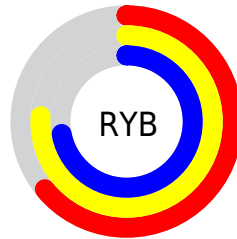
The XYZ color **42.8266, 49.9629, 41.5690** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.4272, 39.9275, 56.5123**, and the grayscale version is **45.4949, 47.8641, 52.1240**.

A 20% lighter version of the original color is **79.0165, 90.4981, 78.9489**, and **19.9383, 23.8750, 18.3093** is the 20% darker color. If you saturate the color by 10%, you get **38.4516, 47.8931, 33.0461**, and if you desaturate by 10%, it is **47.7642, 52.2949, 51.5091**.

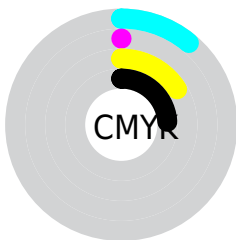
Distribution



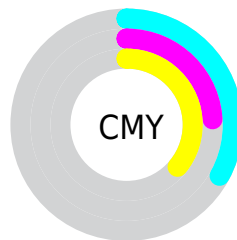
- Red (67%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (72%)



- Cyan (11%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8266, 49.9629, 41.5690 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 42.8266, 49.9629, 41.5690 by changing the saturation by 10% instead.

■ 42.8266, 49.9629,
41.5690

■ 42.8266, 49.9629,
41.5690

348.8318,
386.5208, 368.4400

■ 29.9430, 35.3839,
28.4409

■ 78.7065, 90.1199,
78.8099

■ 19.9432, 23.9588,
18.4164

■ 102.4335,
116.4667, 103.7599

■ 12.4618, 15.3030,
11.0768

130.5057,
147.5049, 133.4875

■ 7.1334, 9.0323,
6.0037

163.2884,
183.6189, 168.4114

■ 3.5928, 4.7623,
2.7785

201.1470,
225.1931, 208.9500

■ 1.4744, 2.1085,
0.9827

244.4469,

■ 0.3083, 0.6694,

272.6119, 255.5220

0.0000

293.5534,
326.2597, 308.5458

■ 0.0000, 0.0000,
0.0000

■ 42.8266, 49.9629,
41.5690

■ 42.8266, 49.9629,
41.5690

■ 38.4516, 47.8931,
33.0461

■ 47.7642, 52.2949,
51.5091

■ 34.6146, 46.0698,
25.8728

■ 53.2802, 54.8916,
62.9236

■ 31.2946, 44.4853,
19.9807

■ 59.3944, 57.7633,
75.8702

■ 28.4678, 43.1289,
15.2941

■ 66.1247, 60.9183,
90.4028

■ 26.1086, 41.9891,
11.7296

■ 72.8367, 64.1034,
103.1420

■ 24.1884, 41.0533,
9.1927

■ 77.5001, 66.5075,
103.3603

■ 22.6751, 40.3075,
7.5740

■ 78.5828, 67.0656,
103.4109

■ 21.5292, 39.7342,
6.7300

■ 21.1937, 39.5656,
6.5199

Harmonies

Analogous

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



45.7763, 49.9629, 37.5042



42.8266, 49.9629, 41.5690



41.1703, 49.9629, 49.3495

Triad

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



42.8266, 49.9629, 41.5690



45.6900, 49.9629, 75.6510



54.4475, 49.9629, 49.5874

Complementary

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



42.8266, 49.9629, 41.5690



42.4272, 39.9275, 56.5123

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.



54.4215, 49.9629, 59.7862



42.8266, 49.9629, 41.5690



49.2424, 49.9629, 75.7357

Square

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



42.8266, 49.9629, 41.5690



42.7662, 49.9629, 69.4161



52.4764, 49.9629, 69.6346



52.5457, 49.9629, 41.7243

Rectangle

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



42.8266, 49.9629, 41.5690



40.9673, 49.9629, 55.9998



52.4764, 49.9629, 69.6346



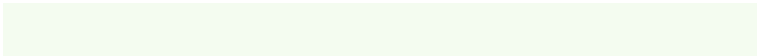
54.6669, 49.9629, 52.8331

Sweetspot

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



42.8279, 49.9651, 41.5701



87.8834, 95.3770, 96.0814



45.8846, 48.3058, 41.0887



19.0953, 20.8158, 20.7330



0.0000, 0.0000, 0.0000



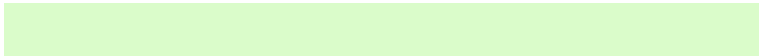
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8279, 49.9651, 41.5701



74.4421, 89.0308, 69.1134



41.2491, 49.0894, 44.2829



10.2339, 11.4081, 10.7245



14.0088, 26.0506, 4.2899



0.6777, 1.1629, 0.1887

Inverse Universe

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



42.4272, 39.9275, 56.5123



73.5698, 67.2277, 101.5685



44.2618, 40.9479, 53.2255



10.1813, 10.0846, 12.6947



12.8895, 5.9052, 34.0171



0.6252, 0.2904, 1.4730

Previews

White Background



This preview shows how the XYZ color 42.8266, 49.9629, 41.5690 looks on a white background.

Color Contrast Check

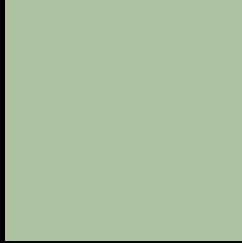
Large Text (above 18pt) WCAG AA × Fail

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 42.8266, 49.9629, 41.5690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

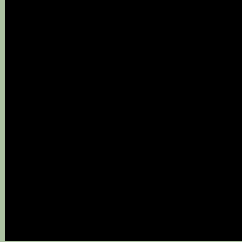
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8266, 49.9629, 41.5690

Background



This preview shows how black text looks on a background with the XYZ color 42.8266, 49.9629, 41.5690.



This preview shows how white text looks on a background with the XYZ color 42.8266, 49.9629,

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

42.8266, 49.9629, 41.5690

Protanopia

46.9678, 49.8796, 39.5000

Deuteranopia

50.5534, 49.5053, 42.4883



Tritanopia

47.1228, 49.7432, 63.6177

Trichromacy



Original Color

42.8266, 49.9629, 41.5690

Protanomaly

45.4105, 50.0215, 40.0626

Deuteranomaly

47.3385, 49.3840, 42.1590

Tritanomaly

45.3951, 49.6879, 54.7751

Monochromacy



Original Color

42.8266, 49.9629, 41.5690

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.6421, 48.8043, 48.1416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8266, 49.9629, 41.5690 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(172, 194, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 194, 162)  
}
```

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(172, 194, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 194, 162) }
```

Border

The CSS property to change the border of an element to XYZ 42.8266, 49.9629, 41.5690 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(172, 194, 162) }
```


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

```
.border{ border-color:rgb(172, 194, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 194, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 194, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 194, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 194,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8266, 49.9629, 41.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 194, 162) }
```

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

```
.background{ background-color: rgb(172,  
194, 162) }
```

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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