

Converting Colors

XYZ(42.6829, 49.1476, 45.2670)

Have a look what the booklet for
XYZ(42.6829, 49.1476, 45.2670)
contains.

| | |
|--|----|
| XYZ(42.6829, 49.1476, 45.2670) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(42.6829, 49.1476,
45.2670)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AAC0AA |
| RGB | 170, 192, 170 |
| RGB Percent | 67%, 75%, 67% |
| CMY | 0.3333, 0.2470, 0.3333 |
| CMYK | 0.11, 0.00, 0.11, 0.25 |
| HSL | 120°, 15%, 71% |
| HSV | 120°, 11%, 75% |
| XYZ | 42.6829, 49.1476, 45.2670 |
| YIQ | 182.9140, -6.0500, -11.5060 |

Conversions

Conversions Part 2

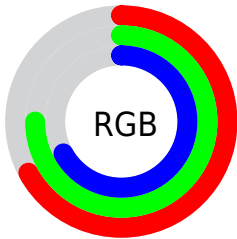
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 170, 192, 192 |
| Decimal | 11190442 |
| CIELab | 75.54, -11.69, 8.56 |
| CIELCh | 76, 14.492, 143.778 |
| Yxy | 49.1476, 0.3113, 0.3585 |
| Android (android.graphics.Color) | 4289380522 (0xFFAAC0AA) |
| YUV | 182.9140, -6.3666, -11.3256 |
| Hunter-Lab | 70.1053, -14.0065, 10.7902 |

Details

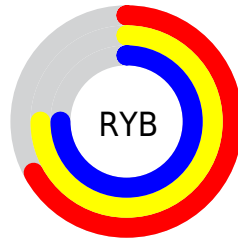
The XYZ color **42.6829, 49.1476, 45.2670** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6292, 43.7629, 55.9137**, and the grayscale version is **44.9999, 47.3434, 51.5570**.

A 20% lighter version of the original color is **78.2093, 88.5786, 84.2095**, and **19.9738, 23.6248, 20.6468** is the 20% darker color. If you saturate the color by 10%, you get **37.1459, 46.4894, 36.2092**, and if you desaturate by 10%, it is **49.0941, 52.2287, 55.7526**.

Distribution



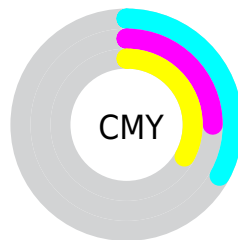
- Red (67%)
- Green (75%)
- Blue (67%)



- Red (67%)
- Yellow (75%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (33%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6829, 49.1476, 45.2670 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 42.6829, 49.1476, 45.2670 by changing the saturation by 10% instead.

■ 42.6829, 49.1476,
45.2670

■ 42.6829, 49.1476,
45.2670

348.2497,
383.3231, 384.0455

■ 29.8298, 34.7366,
31.3233

■ 78.4908, 88.9106,
84.4436

■ 19.8569, 23.4600,
20.5846

102.1764,
115.0314, 110.5136

■ 12.3987, 14.9336,
12.6324

130.2035,
145.8243, 141.4628

■ 7.0900, 8.7728,
7.0482

162.9375,
181.6736, 177.7097

■ 3.5653, 4.5933,
3.4134

200.7438,
222.9637, 219.6729

■ 1.4593, 2.0107,
1.3094

243.9877,

■ 0.2979, 0.6137,

270.0791, 267.7709

0.0695

293.0345,
323.4041, 322.4222

■ 0.0000, 0.0000,
0.0000

■ 42.6829, 49.1476,
45.2670

■ 42.6829, 49.1476,
45.2670

■ 37.1459, 46.4894,
36.2092

■ 49.0941, 52.2287,
55.7526

■ 32.4415, 44.2296,
28.5143

■ 56.4109, 55.7433,
67.7204

■ 28.5307, 42.3510,
22.1174

■ 64.6679, 59.7096,
81.2262

■ 25.3697, 40.8326,
16.9470

■ 73.8969, 64.1427,
96.3217

■ 22.9106, 39.6514,
12.9246

■ 78.1406, 66.1812,
103.2635

■ 21.0999, 38.7817,
9.9629

■ 19.8766, 38.1940,
7.9618

■ 19.1677, 37.8535,
6.8023

■ 18.8506, 37.7012,
6.2836

Harmonies

Analogous

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



44.6687, 49.1476, 41.1258



42.6829, 49.1476, 45.2670



41.7812, 49.1476, 51.9316

Triad

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



42.6829, 49.1476, 45.2670



46.1577, 49.1476, 69.5453



51.5835, 49.1476, 47.7874

Complementary

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



42.6829, 49.1476, 45.2670



45.6292, 43.7629, 55.9137

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.



52.0191, 49.1476, 55.1270



42.6829, 49.1476, 45.2670



48.8194, 49.1476, 68.1679

Square

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



42.6829, 49.1476, 45.2670



43.7374, 49.1476, 66.3077



50.9898, 49.1476, 62.7050



49.8212, 49.1476, 42.4808

Rectangle

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



42.6829, 49.1476, 45.2670



41.8906, 49.1476, 57.1013



50.9898, 49.1476, 62.7050



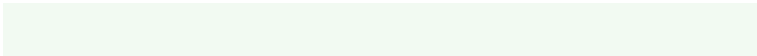
51.8926, 49.1476, 50.0790

Sweetspot

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



42.6842, 49.1497, 45.2681



86.9986, 93.6928, 97.8214



47.8457, 51.8105, 45.5095



18.4536, 19.9991, 20.6417



92.9021, 97.7402, 106.4391



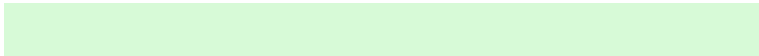
19.4759, 20.4902, 22.3138

Same Dimension

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



42.6842, 49.1497, 45.2681



74.4084, 87.6450, 77.2278



43.7692, 49.5837, 50.9813



9.9445, 11.2588, 10.7109



12.6838, 25.3676, 4.2280



0.5480, 1.0961, 0.1827

Inverse Universe

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



45.6292, 43.7629, 55.9137



80.9066, 75.7584, 100.7185



44.4550, 43.2932, 49.7309



10.4973, 10.2475, 12.7095



21.0295, 10.1016, 34.3970



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 42.6829, 49.1476, 45.2670 looks on a white background.

Color Contrast Check

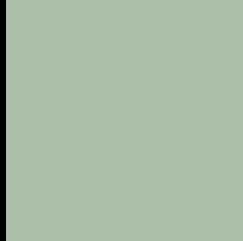
Large Text (above 18pt) WCAG AA × Fail

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 42.6829, 49.1476, 45.2670 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 42.6829, 49.1476, 45.2670

Background



This preview shows how black text looks on a background with the XYZ color 42.6829, 49.1476, 45.2670.



This preview shows how white text looks on a background with the XYZ color 42.6829, 49.1476,

45.2670.

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

42.6829, 49.1476, 45.2670

Protanopia

46.4800, 48.9204, 43.0692

Deuteranopia

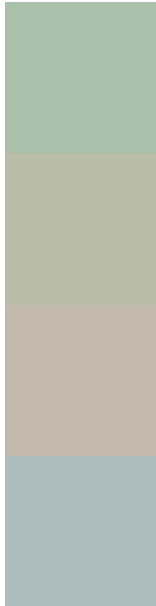
49.9574, 48.8126, 46.3239



Tritanopia

46.1102, 48.9189, 62.8891

Trichromacy



Original Color

42.6829, 49.1476, 45.2670

Protanomaly

44.9659, 49.0707, 43.6609

Deuteranomaly

47.0926, 48.8616, 45.9789

Tritanomaly

44.7254, 48.9971, 55.8153

Monochromacy



Original Color

42.6829, 49.1476, 45.2670

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.9549, 47.7971, 49.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6829, 49.1476, 45.2670 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(170, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 192, 170)  
}
```

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(170, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 192, 170) }
```

Border

The CSS property to change the border of an element to XYZ 42.6829, 49.1476, 45.2670 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(170, 192, 170) }
```


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

```
.border{ border-color:rgb(170, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 192, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 192, 170); box-shadow:4px 4px 4px 4px rgb(170, 192, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6829, 49.1476, 45.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 192, 170) }
```

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

```
.background{ background-color: rgb(170,  
192, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor