

Converting Colors

XYZ(42.2642, 48.4095, 39.4642)

Have a look what the booklet for
XYZ(42.2642, 48.4095, 39.4642)
contains.

XYZ(42.2642, 48.4095, 39.4642)	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(42.2642, 48.4095,
39.4642)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBE9E
RGB	175, 190, 158
RGB Percent	69%, 75%, 62%
CMY	0.3137, 0.2549, 0.3804
CMYK	0.08, 0.00, 0.17, 0.25
HSL	88°, 20%, 68%
HSV	88°, 17%, 75%
XYZ	42.2642, 48.4095, 39.4642
YIQ	181.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

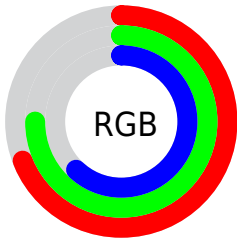
Format	Color
RYB	158, 190, 173
Decimal	11517598
CIELab	75.08, -10.96, 14.44
CIElCh	75, 18.131, 127.201
Yxy	48.4095, 0.3248, 0.3720
Android (android.graphics.Color)	4289707678 (0xFFAFBE9E)
YUV	181.8670, -11.7664, -6.0224
Hunter-Lab	69.5769, -13.3306, 15.0744

Details

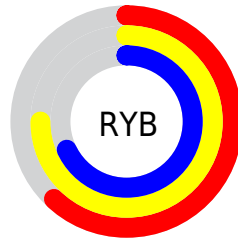
The XYZ color **42.2642, 48.4095, 39.4642** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.7567, 37.0571, 53.8278**, and the grayscale version is **44.4536, 46.7687, 50.9311**.

A 20% lighter version of the original color is **77.9210, 87.7046, 75.7726**, and **19.6255, 23.0904, 17.3324** is the 20% darker color. If you saturate the color by 10%, you get **38.8201, 46.8100, 31.4158**, and if you desaturate by 10%, it is **46.0958, 50.1824, 48.8527**.

Distribution



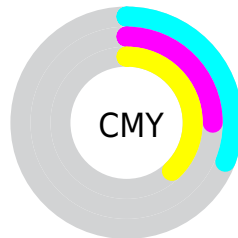
- Red (69%)
- Green (75%)
- Blue (62%)



- Red (62%)
- Yellow (75%)
- Blue (68%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)



- Cyan (31%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2642, 48.4095, 39.4642 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 42.2642, 48.4095, 39.4642 by changing the saturation by 10% instead.

■ 42.2642, 48.4095,
39.4642

■ 42.2642, 48.4095,
39.4642

346.5500,
380.4130, 359.3448

■ 29.5002, 34.1513,
26.8104

■ 77.8620, 87.8138,
75.5751

■ 19.6057, 23.0098,
17.1997

■ 101.4265,
113.7287, 99.8692

■ 12.2154, 14.6008,
10.2135

129.3219,
144.2979, 128.8806

■ 6.9638, 8.5397,
5.4333

161.9136,
179.9059, 163.0278

■ 3.4856, 4.4422,
2.4405

199.5669,
220.9370, 202.7292

■ 1.4154, 1.9239,
0.8084

242.6472,

■ 0.2672, 0.5627,

267.7756, 248.4035

0.0000

291.5197,
320.8061, 300.4692

■ 0.0000, 0.0000,
0.0000

■ 42.2642, 48.4095,
39.4642

■ 42.2642, 48.4095,
39.4642

■ 38.8201, 46.8100,
31.4158

■ 46.0958, 50.1824,
48.8527

■ 35.7454, 45.3717,
24.6432

■ 50.3241, 52.1279,
59.6354

■ 33.0263, 44.0902,
19.0816

■ 54.9632, 54.2535,
71.8671

■ 30.6466, 42.9589,
14.6593

■ 60.0250, 56.5643,
85.5989

■ 28.5884, 41.9701,
11.2968

■ 65.5210, 59.0650,
100.8792

■ 26.8319, 41.1157,
8.9047

■ 68.6018, 60.6163,
102.6921

■ 25.3544, 40.3863,
7.3786

■ 71.5086, 62.1148,
102.8282

■ 24.1258, 39.7694,
6.5769

■ 74.5632, 63.6895,
102.9711

■ 23.7729, 39.5913,
6.3889

■ 77.7044, 65.3089,
103.1181

Harmonies

Analogous

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



45.2174, 48.4095, 36.5925



42.2642, 48.4095, 39.4642



40.3818, 48.4095, 45.9470

Triad

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



42.2642, 48.4095, 39.4642



43.5855, 48.4095, 71.3948



52.6304, 48.4095, 50.4543

Complementary

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



42.2642, 48.4095, 39.4642



38.7567, 37.0571, 53.8278

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.



52.1421, 48.4095, 60.1055



42.2642, 48.4095, 39.4642



46.8154, 48.4095, 72.9762

Square

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



42.2642, 48.4095, 39.4642



41.1187, 48.4095, 64.5363



49.9746, 48.4095, 68.6298



51.2784, 48.4095, 42.4242

Rectangle

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



42.2642, 48.4095, 39.4642



39.9339, 48.4095, 51.8231



49.9746, 48.4095, 68.6298



52.6771, 48.4095, 53.6064

Sweetspot

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



42.2655, 48.4116, 39.4652



84.8250, 91.5310, 91.7805



42.3394, 43.2791, 38.4707



18.5112, 20.0461, 19.8632



92.9021, 97.7402, 106.4391



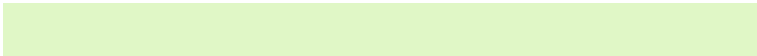
19.4759, 20.4902, 22.3138

Same Dimension

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



42.2655, 48.4116, 39.4652



74.3363, 86.6799, 66.1665



38.8978, 46.6755, 39.3076



9.8795, 10.8923, 10.1584



15.8981, 26.3717, 4.2523



0.6977, 1.0716, 0.1701

Inverse Universe

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



38.7567, 37.0571, 53.8278



66.8502, 62.4540, 96.8106



42.4927, 38.9831, 54.0027



9.4303, 9.4387, 11.9970



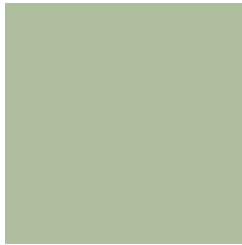
9.0136, 3.9327, 32.6769



0.4286, 0.1930, 1.2835

Previews

White Background



This preview shows how the XYZ color 42.2642, 48.4095, 39.4642 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 42.2642, 48.4095, 39.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

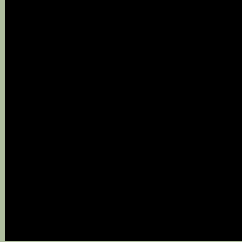
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2642, 48.4095, 39.4642

Background



This preview shows how black text looks on a background with the XYZ color 42.2642, 48.4095, 39.4642.



This preview shows how white text looks on a background with the XYZ color 42.2642, 48.4095,

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

42.2642, 48.4095, 39.4642

Protanopia

45.5626, 48.2496, 37.9221

Deuteranopia

49.1295, 48.2277, 39.9772



Tritanopia

46.5053, 48.2283, 60.8907

Trichromacy



Original Color

42.2642, 48.4095, 39.4642

Protanomaly

44.2987, 48.2095, 38.4231

Deuteranomaly

46.2747, 47.9649, 39.6201

Tritanomaly

44.8010, 48.1622, 52.2824

Monochromacy



Original Color

42.2642, 48.4095, 39.4642

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4822, 47.2988, 46.3730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2642, 48.4095, 39.4642 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(175, 190, 158)` looks like.

```
.text, #text, p{  
    color:rgb(175, 190, 158)  
}
```

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(175, 190, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 190, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.2642, 48.4095, 39.4642 is called "border". The border property can be set on classes, ids or directly on the HTML element.

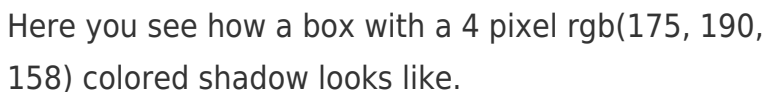
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 190, 158) }
```


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

```
.border{ border-color:rgb(175, 190, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 190, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 190, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 190, 158);  
box-shadow:4px 4px 4px 4px rgb(175, 190,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2642, 48.4095, 39.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 190, 158) }
```

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

```
.background{ background-color: rgb(175,  
190, 158) }
```

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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