

Converting Colors

XYZ(42.6784, 48.6587, 39.6917)

Have a look what the booklet for
XYZ(42.6784, 48.6587, 39.6917)
contains.

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Color

**XYZ(42.7165, 48.6426,
39.4853)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BE9E
RGB	177, 190, 158
RGB Percent	69%, 75%, 62%
CMY	0.3059, 0.2549, 0.3804
CMYK	0.07, 0.00, 0.17, 0.25
HSL	84°, 20%, 68%
HSV	84°, 17%, 75%
XYZ	42.7165, 48.6426, 39.4853
YIQ	182.4650, 2.5240, -12.7080

Conversions

Conversions Part 2

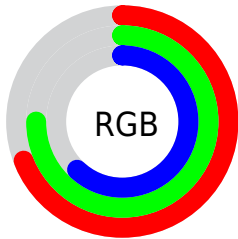
Format	Color
RYB	158, 190, 171
Decimal	11648670
CIELab	75.23, -10.23, 14.67
CIELCh	75, 17.885, 124.906
Yxy	48.6426, 0.3265, 0.3718
Android (android.graphics.Color)	4289838750 (0xFFB1BE9E)
YUV	182.4650, -12.0612, -4.7928
Hunter-Lab	69.7442, -12.7259, 15.2543

Details

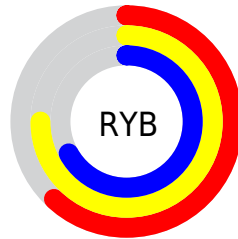
The XYZ color **42.7165, 48.6426, 39.4853** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3175, 36.8306, 53.8072**, and the grayscale version is **44.7809, 47.1130, 51.3061**.

A 20% lighter version of the original color is **78.5703, 88.0393, 75.8030**, and **19.9117, 23.2379, 17.3458** is the 20% darker color. If you saturate the color by 10%, you get **39.4972, 47.1590, 31.4474**, and if you desaturate by 10%, it is **46.2908, 50.2829, 48.8618**.

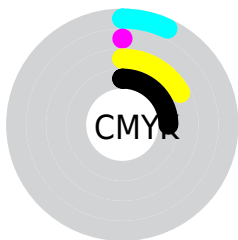
Distribution



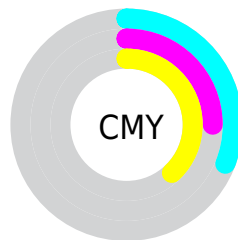
- Red (69%)
- Green (75%)
- Blue (62%)



- Red (62%)
- Yellow (75%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7165, 48.6426, 39.4853 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 42.7165, 48.6426, 39.4853 by changing the saturation by 10% instead.

■ 42.7165, 48.6426,
39.4853

■ 42.7165, 48.6426,
39.4853

348.3859,
381.3336, 359.4368

■ 29.8563, 34.3361,
26.8267

■ 78.5413, 88.1604,
75.6076

■ 19.8771, 23.1519,
17.2119

■ 102.2365,
114.1405, 99.9084

■ 12.4135, 14.7057,
10.2221

130.2742,
144.7805, 128.9271

■ 7.1001, 8.6131,
5.4389

163.0196,
180.4648, 163.0821

■ 3.5717, 4.4897,
2.4438

200.8381,
221.5779, 202.7920

■ 1.4628, 1.9511,
0.8102

244.0951,

■ 0.3003, 0.5788,

268.5041, 248.4754

0.0000

293.1559,
321.6279, 300.5508

■ 0.0000, 0.0000,
0.0000

■ 42.7165, 48.6426,
39.4853

■ 42.7165, 48.6426,
39.4853

■ 39.4972, 47.1590,
31.4474

■ 46.2908, 50.2829,
48.8618

■ 36.6158, 45.8203,
24.6839

■ 50.2287, 52.0786,
59.6308

■ 34.0595, 44.6228,
19.1299

■ 54.5431, 54.0369,
71.8473

■ 31.8128, 43.5600,
14.7138

■ 59.2454, 56.1623,
85.5622

■ 29.8591, 42.6251,
11.3563

■ 64.3461, 58.4593,
100.8240

■ 28.1796, 41.8104,
8.9678

■ 66.9952, 59.7880,
102.6170

■ 26.7525, 41.1070,
7.4441

■ 69.4331, 61.0448,
102.7310

■ 25.5490, 40.5030,
6.6435

■ 71.9809, 62.3582,
102.8503

■ 25.1991, 40.3264,
6.4557

■ 74.6400, 63.7291,
102.9747

Harmonies

Analogous

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



45.6959, 48.6426, 36.9247



42.7165, 48.6426, 39.4853



40.7523, 48.6426, 45.6646

Triad

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



42.7165, 48.6426, 39.4853



43.6091, 48.6426, 71.0683



52.8080, 48.6426, 51.4334

Complementary

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



42.7165, 48.6426, 39.4853



38.3175, 36.8306, 53.8072

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.



52.1851, 48.6426, 61.0015



42.7165, 48.6426, 39.4853



46.7749, 48.6426, 73.0812

Square

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



42.7165, 48.6426, 39.4853



41.2502, 48.6426, 63.9895



49.9381, 48.6426, 69.2052



51.6024, 48.6426, 43.2830

Rectangle

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



42.7165, 48.6426, 39.4853



40.2300, 48.6426, 51.3754



49.9381, 48.6426, 69.2052



52.8060, 48.6426, 54.5841

Sweetspot

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



42.7178, 48.6447, 39.4864



85.0903, 91.6677, 91.7929



41.9336, 42.4677, 38.3354



18.5773, 20.0802, 19.8663



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.



42.7178, 48.6447, 39.4864



75.3044, 87.1790, 66.2118



39.3247, 46.8955, 39.3276



9.9371, 10.9220, 10.1610



16.8458, 26.8602, 4.2967



0.7322, 1.0894, 0.1717

Inverse Universe

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



38.3175, 36.8306, 53.8072



65.9169, 61.9728, 96.7669



41.9675, 38.7122, 53.9780



9.3737, 9.4095, 11.9944



8.3101, 3.5701, 32.6440



0.3998, 0.1782, 1.2822

Previews

White Background



This preview shows how the XYZ color 42.7165, 48.6426, 39.4853 looks on a white background.

Color Contrast Check

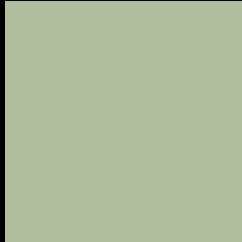
Large Text (above 18pt) WCAG AA × Fail

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 42.7165, 48.6426, 39.4853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

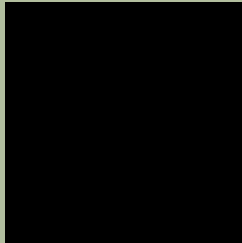
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

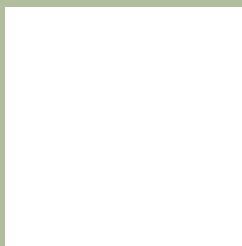
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7165, 48.6426, 39.4853

Background



This preview shows how black text looks on a background with the XYZ color 42.7165, 48.6426, 39.4853.



This preview shows how white text looks on a background with the XYZ color 42.7165, 48.6426,

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

42.7165, 48.6426, 39.4853

Protanopia

45.7710, 48.6666, 37.9915

Deuteranopia

49.4169, 48.3759, 39.9906



Tritanopia

46.9777, 48.4718, 60.9128

Trichromacy



Original Color

42.7165, 48.6426, 39.4853

Protanomaly

44.5101, 48.6323, 38.4935

Deuteranomaly

46.5391, 48.1012, 39.6325

Tritanomaly

45.2667, 48.4023, 52.3042

Monochromacy



Original Color

42.7165, 48.6426, 39.4853

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.7142, 47.4184, 46.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7165, 48.6426, 39.4853 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(177, 190, 158)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 190, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 190, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.7165, 48.6426, 39.4853 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(177, 190, 158) }
```


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

```
.border{ border-color:rgb(177, 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(177, 190, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 190, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 190, 158);  
box-shadow:4px 4px 4px 4px rgb(177, 190,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7165, 48.6426, 39.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 190, 158) }
```

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

```
.background{ background-color: rgb(177,  
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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