

Converting Colors

XYZ(42.3460, 48.9908, 29.6776)

Have a look what the booklet for
XYZ(42.3460, 48.9908, 29.6776)
contains.

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Color

**XYZ(42.4623, 49.0501,
29.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BF86
RGB	183, 191, 134
RGB Percent	72%, 75%, 53%
CMY	0.2824, 0.2510, 0.4745
CMYK	0.04, 0.00, 0.30, 0.25
HSL	68°, 31%, 64%
HSV	68°, 30%, 75%
XYZ	42.4623, 49.0501, 29.7839
YIQ	182.1100, 13.5290, -19.4230

Conversions

Conversions Part 2

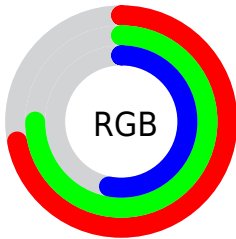
Format	Color
RYB	134, 191, 142
Decimal	12042118
CIELab	75.48, -12.09, 27.90
CIELCh	75, 30.407, 113.430
Yxy	49.0501, 0.3501, 0.4044
Android (android.graphics.Color)	4290232198 (0xFFB7BF86)
YUV	182.1100, -23.7182, 0.7805
Hunter-Lab	70.0358, -14.3391, 23.8110

Details

The XYZ color **42.4623, 49.0501, 29.7839** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.0863, 26.5639, 52.8873**, and the grayscale version is **44.6444, 46.9694, 51.1497**.

A 20% lighter version of the original color is **78.2730, 88.6776, 60.5680**, and **19.7420, 23.4842, 11.8799** is the 20% darker color. If you saturate the color by 10%, you get **40.6172, 48.2407, 23.3606**, and if you desaturate by 10%, it is **44.5627, 49.9664, 37.4771**.

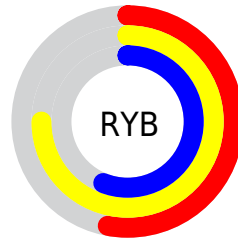
Distribution



Red (72%)

Green (75%)

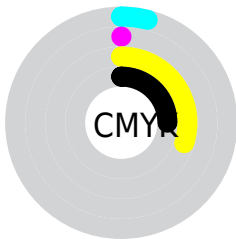
Blue (53%)



Red (53%)

Yellow (75%)

Blue (56%)

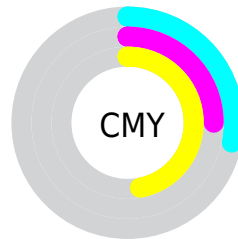


Cyan (4%)

Magenta (0%)

Yellow (30%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4623, 49.0501, 29.7839 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 42.4623, 49.0501, 29.7839 by changing the saturation by 10% instead.

■ 42.4623, 49.0501,
29.7839

■ 42.4623, 49.0501,
29.7839

347.3549,
382.9395, 315.0718

■ 29.6561, 34.6592,
19.4240

■ 78.1596, 88.7659,
60.3772

■ 19.7245, 23.4005,
11.7971

■ 101.7815,
114.8595, 81.4477

■ 12.3020, 14.8895,
6.4848

■ 129.7393,
145.6229, 106.9254

■ 7.0234, 8.7419,
3.0685

162.3984,
181.4404, 137.2289

■ 3.5232, 4.5732,
1.1297

200.1241,
222.6965, 172.7768

■ 1.4361, 1.9991,
0.0000

243.2819,

■ 0.2817, 0.6069,

269.7754, 213.9875

0.0000

292.2370,
323.0616, 261.2796

■ 0.0000, 0.0000,
0.0000

■ 42.4623, 49.0501,
29.7839

■ 42.4623, 49.0501,
29.7839

■ 40.6172, 48.2407,
23.3606

■ 44.5627, 49.9664,
37.4771

■ 39.0107, 47.5265,
18.1358

■ 46.9267, 50.9878,
46.5003

■ 37.6296, 46.9039,
14.0359


■ 49.5669, 52.1211,
56.9134


■ 36.4583, 46.3665,
10.9779


■ 52.4937, 53.3705,
68.7717


■ 35.4787, 45.9072,
8.8673


■ 55.7173, 54.7400,
82.1278


 34.6696, 45.5175,
7.5926


 59.2471, 56.2335,
97.0312

 33.9898, 45.1808,
6.9379

 60.9783, 57.0090,
102.3977

 33.9795, 45.1757,
6.9289

 61.7093, 57.3858,
102.4319

 62.4531, 57.7692,
102.4667

Harmonies

Analogous

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



47.8655, 49.0501, 28.2238



42.4623, 49.0501, 29.7839



38.4842, 49.0501, 37.0371

Triad

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



42.4623, 49.0501, 29.7839



40.4856, 49.0501, 82.2531



58.1766, 49.0501, 57.0197

Complementary

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



42.4623, 49.0501, 29.7839



29.0863, 26.5639, 52.8873

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.



55.8300, 49.0501, 74.0048



42.4623, 49.0501, 29.7839



45.3976, 49.0501, 90.3438

Square

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



42.4623, 49.0501, 29.7839



37.4085, 49.0501, 66.6547



51.0420, 49.0501, 87.0567



57.2331, 49.0501, 42.0427

Rectangle

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



42.4623, 49.0501, 29.7839



37.0286, 49.0501, 45.0740



51.0420, 49.0501, 87.0567



57.7407, 49.0501, 62.7090

Sweetspot

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



42.4635, 49.0523, 29.7849



84.3566, 91.4501, 84.5030



35.4042, 32.0261, 26.8706



18.3791, 20.0192, 17.9937



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.



42.4635, 49.0523, 29.7849



73.7757, 86.8508, 45.3606



36.4340, 45.9440, 29.5028



10.1870, 11.0508, 10.1727



22.3808, 29.7136, 4.5557



0.9134, 1.1828, 0.1802

Inverse Universe

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



29.0863, 26.5639, 52.8873



45.8742, 39.9310, 93.5688



34.5299, 29.3702, 53.1421



9.1378, 9.2879, 11.9833



6.5155, 2.6449, 32.5600



0.2959, 0.1246, 1.2773

Previews

White Background



This preview shows how the XYZ color 42.4623, 49.0501, 29.7839 looks on a white background.

Color Contrast Check

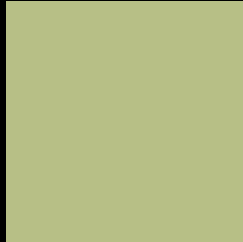
Large Text (above 18pt) WCAG AA × Fail

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 42.4623, 49.0501, 29.7839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

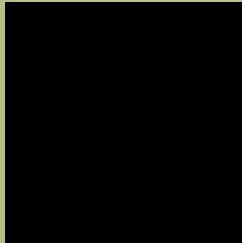
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

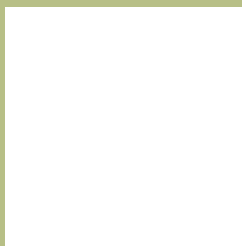
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4623, 49.0501, 29.7839

Background



This preview shows how black text looks on a background with the XYZ color 42.4623, 49.0501, 29.7839.



This preview shows how white text looks on a background with the XYZ color 42.4623, 49.0501,

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

42.4623, 49.0501, 29.7839

Protanopia

45.5432, 49.0631, 28.8995

Deuteranopia

49.9510, 48.8626, 30.4656



Tritanopia

48.4974, 48.9746, 59.7203

Trichromacy



Original Color

42.4623, 49.0501, 29.7839

Protanomaly

44.4650, 49.1292, 29.3296

Deuteranomaly

47.1095, 48.9099, 30.2502

Tritanomaly

45.9379, 48.8652, 47.0551

Monochromacy



Original Color

42.4623, 49.0501, 29.7839

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4319, 47.3596, 42.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4623, 49.0501, 29.7839 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(183, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 134)  
}
```

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(183, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 134) }
```

Border

The CSS property to change the border of an element to XYZ 42.4623, 49.0501, 29.7839 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(183, 191, 134) }
```


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

```
.border{ border-color:rgb(183, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4623, 49.0501, 29.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 134) }
```

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

```
.background{ background-color: rgb(183,  
191, 134) }
```

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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