

Converting Colors

XYZ(41.9571, 46.8263, 41.4720)

Have a look what the booklet for
XYZ(41.9571, 46.8263, 41.4720)
contains.

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Color

**XYZ(42.0743, 46.9923,
41.5032)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BAA3
RGB	176, 186, 163
RGB Percent	69%, 73%, 64%
CMY	0.3098, 0.2706, 0.3608
CMYK	0.05, 0.00, 0.12, 0.27
HSL	86°, 14%, 68%
HSV	86°, 12%, 73%
XYZ	42.0743, 46.9923, 41.5032
YIQ	180.3880, 1.4230, -9.2730

Conversions

Conversions Part 2

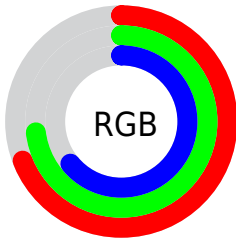
Format	Color
RYB	163, 186, 173
Decimal	11582115
CIELab	74.18, -7.67, 10.48
CIELCh	74, 12.983, 126.185
Yxy	46.9923, 0.3222, 0.3599
Android (android.graphics.Color)	4289772195 (0xFFB0BAA3)
YUV	180.3880, -8.5723, -3.8483
Hunter-Lab	68.5509, -10.4067, 12.0894

Details

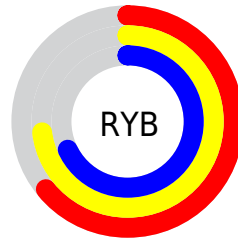
The XYZ color **42.0743, 46.9923, 41.5032** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.1955, 38.6251, 51.8465**, and the grayscale version is **43.6362, 45.9087, 49.9945**.

A 20% lighter version of the original color is **77.6857, 85.7220, 78.7812**, and **19.4252, 22.1337, 18.2873** is the 20% darker color. If you saturate the color by 10%, you get **38.7544, 45.4608, 33.2788**, and if you desaturate by 10%, it is **45.7510, 48.6821, 51.0258**.

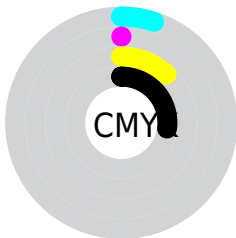
Distribution



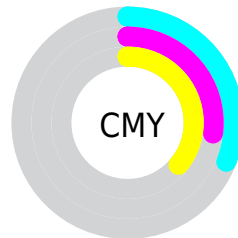
- Red (69%)
- Green (73%)
- Blue (64%)



- Red (64%)
- Yellow (73%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0743, 46.9923, 41.5032 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 42.0743, 46.9923, 41.5032 by changing the saturation by 10% instead.

■ 42.0743, 46.9923,
41.5032

■ 42.0743, 46.9923,
41.5032

345.7772,
374.7838, 368.1581

■ 29.3508, 33.0296,
28.3898

■ 77.5765, 85.7021,
78.7091

■ 19.4920, 22.1491,
18.3781

■ 101.0860,
111.2180, 103.6388

■ 12.1324, 13.9665,
11.0496

128.9215,
141.3537, 133.3443

■ 6.9068, 8.0974,
5.9856

161.4484,
176.4937, 168.2441

■ 3.4497, 4.1573,
2.7677

199.0321,
217.0223, 208.7569

■ 1.3958, 1.7619,
0.9773

242.0379,

■ 0.2532, 0.4633,

263.3239, 255.3011

0.0000

290.8312,
315.7829, 308.2953

■ 0.0000, 0.0000,
0.0000

■ 42.0743, 46.9923,
41.5032

■ 42.0743, 46.9923,
41.5032

■ 38.7544, 45.4608,
33.2788

■ 45.7510, 48.6821,
51.0258

■ 35.7748, 44.0763,
26.2933

■ 49.7924, 50.5291,
61.8964

■ 33.1234, 42.8353,
20.4874

■ 54.2111, 52.5401,
74.1658

■ 30.7860, 41.7317,
15.7957

■ 59.0178, 54.7194,
87.8814

■ 28.7468, 40.7591,
12.1464

■ 64.0606, 57.0066,
102.2348

■ 26.9884, 39.9103,
9.4593

■ 66.5163, 58.2726,
102.3497

■ 25.4914, 39.1772,
7.6425

■ 69.0913, 59.6000,
102.4702

■ 24.2325, 38.5503,
6.5863

■ 71.7874, 60.9899,
102.5964

■ 23.3991, 38.1300,
6.1266

■ 74.6060, 62.4430,
102.7283

Harmonies

Analogous

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



44.1843, 46.9923, 39.4526



42.0743, 46.9923, 41.5032



40.6943, 46.9923, 46.1637

Triad

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



42.0743, 46.9923, 41.5032



42.8819, 46.9923, 63.8110



49.2635, 46.9923, 49.7981

Complementary

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



42.0743, 46.9923, 41.5032



39.1955, 38.6251, 51.8465

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.



48.8855, 46.9923, 56.5185



42.0743, 46.9923, 41.5032



45.1487, 46.9923, 64.9963

Square

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



42.0743, 46.9923, 41.5032



41.1491, 46.9923, 59.1129



47.3594, 46.9923, 62.2244



48.3752, 46.9923, 43.9664

Rectangle

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



42.0743, 46.9923, 41.5032



40.3465, 46.9923, 50.3185



47.3594, 46.9923, 62.2244



49.2807, 46.9923, 52.0242

Sweetspot

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



42.0756, 46.9943, 41.5042



81.7438, 87.6946, 89.3801



41.7995, 42.9595, 40.7400



17.8870, 19.2594, 19.3832



90.7827, 95.5105, 104.0109



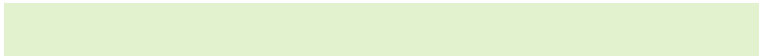
18.6292, 19.5994, 21.3438

Same Dimension

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



42.0756, 46.9943, 41.5042



74.4611, 84.3464, 70.6928



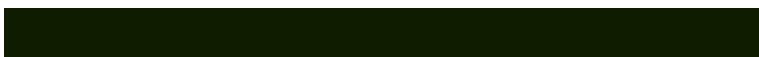
39.5913, 45.7137, 41.3880



9.3629, 10.3037, 9.6022



15.8286, 25.6962, 4.1256



0.6276, 0.9417, 0.1487

Inverse Universe

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



39.1955, 38.6251, 51.8465



68.1518, 66.0109, 93.3508



41.8410, 39.9889, 51.9703



8.8817, 8.9054, 11.3302



8.3219, 3.6013, 31.5096



0.3646, 0.1637, 1.1141

Previews

White Background



This preview shows how the XYZ color 42.0743, 46.9923, 41.5032 looks on a white background.

Color Contrast Check

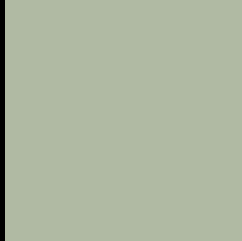
Large Text (above 18pt) WCAG AA × Fail

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 42.0743, 46.9923, 41.5032 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

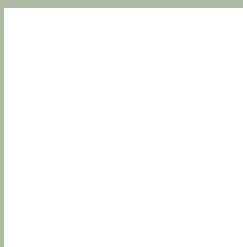
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0743, 46.9923, 41.5032

Background



This preview shows how black text looks on a background with the XYZ color 42.0743, 46.9923, 41.5032.



This preview shows how white text looks on a background with the XYZ color 42.0743, 46.9923,

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

42.0743, 46.9923, 41.5032

Protanopia

44.3962, 46.9763, 40.4456

Deuteranopia

47.7705, 46.8891, 42.1300



Tritanopia

45.5437, 46.8570, 58.8685

Trichromacy



Original Color

42.0743, 46.9923, 41.5032

Protanomaly

43.4627, 46.7899, 40.9230

Deuteranomaly

45.5278, 46.9250, 41.7798

Tritanomaly

44.1756, 46.9114, 52.0739

Monochromacy



Original Color

42.0743, 46.9923, 41.5032

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.9583, 46.0956, 46.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0743, 46.9923, 41.5032 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(176, 186, 163) looks like.

```
.text, #text, p{  
    color:rgb(176, 186, 163)  
}
```

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(176, 186, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 186, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.0743, 46.9923, 41.5032 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(176, 186, 163) }
```


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

```
.border{ border-color:rgb(176, 186, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 186, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 186, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 186, 163);  
box-shadow:4px 4px 4px 4px rgb(176, 186,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0743, 46.9923, 41.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 186, 163) }
```

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

```
.background{ background-color: rgb(176,  
186, 163) }
```

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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