

Converting Colors

XYZ(40.7419, 46.6218, 42.4164)

Have a look what the booklet for
XYZ(40.7419, 46.6218, 42.4164)
contains.

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Color

**XYZ(40.7103, 46.5821,
42.4429)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BBA5
RGB	168, 187, 165
RGB Percent	66%, 73%, 65%
CMY	0.3412, 0.2666, 0.3529
CMYK	0.10, 0.00, 0.12, 0.27
HSL	112°, 14%, 69%
HSV	112°, 12%, 73%
XYZ	40.7103, 46.5821, 42.4429
YIQ	178.8110, -4.2620, -10.8700

Conversions

Conversions Part 2

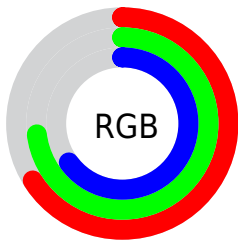
Format	Color
RYB	165, 187, 184
Decimal	11058085
CIELab	73.92, -10.69, 8.94
CIELCh	74, 13.938, 140.108
Yxy	46.5821, 0.3138, 0.3591
Android (android.graphics.Color)	4289248165 (0xFFA8BBA5)
YUV	178.8110, -6.8088, -9.4812
Hunter-Lab	68.2511, -12.9680, 10.9054

Details

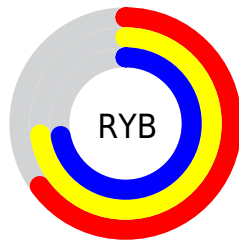
The XYZ color **40.7103, 46.5821, 42.4429** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1938, 40.6898, 52.6462**, and the grayscale version is **42.7849, 45.0130, 49.0192**.

A 20% lighter version of the original color is **75.4003, 84.9565, 80.1344**, and **18.7082, 21.9555, 18.8746** is the 20% darker color. If you saturate the color by 10%, you get **35.9038, 44.2881, 33.9732**, and if you desaturate by 10%, it is **46.1954, 49.1998, 52.2455**.

Distribution



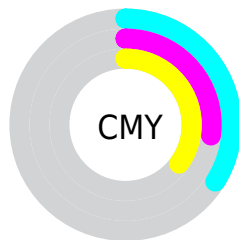
- Red (66%)
- Green (73%)
- Blue (65%)



- Red (65%)
- Yellow (73%)
- Blue (72%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)



- Cyan (34%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7103, 46.5821, 42.4429 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 40.7103, 46.5821, 42.4429 by changing the saturation by 10% instead.

■ 40.7103, 46.5821,
42.4429

■ 40.7103, 46.5821,
42.4429

340.1917,
373.1440, 372.1693

■ 28.2795, 32.7054,
29.1201

■ 75.5214, 85.0895,
80.1468

■ 18.6780, 21.9009,
18.9253

■ 98.6324, 110.4890,
105.3650

■ 11.5404, 13.7841,
11.4401

126.0341,
140.4982, 135.3854

■ 6.5015, 7.9706,
6.2458

158.0920,
175.5015, 170.6265

■ 3.1959, 4.0762,
2.9239

195.1713,
215.8834, 211.5069

■ 1.2582, 1.7163,
1.0559

237.6375,

■ 0.1516, 0.4342,

262.0281, 258.4452

0.0000

285.8558,
314.3202, 311.8598

■ 0.0000, 0.0000,
0.0000

■ 40.7103, 46.5821,
42.4429

■ 40.7103, 46.5821,
42.4429

■ 35.9038, 44.2881,
33.9732

■ 46.1954, 49.1998,
52.2455

■ 31.7458, 42.2996,
26.7760

■ 52.3801, 52.1470,
63.4319

■ 28.2093, 40.6053,
20.7907

■ 59.2894, 55.4367,
76.0539

■ 25.2643, 39.1912,
15.9506

■ 66.9458, 59.0794,
90.1599

■ 22.8781, 38.0419,
12.1826

■ 74.8015, 62.8575,
102.7980

■ 21.0147, 37.1408,
9.4053

■ 77.0612, 64.0225,
102.9037

■ 19.6338, 36.4692,
7.5253

■ 18.6892, 36.0054,
6.4317

■ 18.1844, 35.7555,
5.9431

Harmonies

Analogous

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



42.6530, 46.5821, 38.9283



40.7103, 46.5821, 42.4429



39.7342, 46.5821, 48.4061

Triad

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



40.7103, 46.5821, 42.4429



43.4594, 46.5821, 65.4248



48.9134, 46.5821, 46.1610

Complementary

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



40.7103, 46.5821, 42.4429



42.1938, 40.6898, 52.6462

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.



49.1490, 46.5821, 53.1065



40.7103, 46.5821, 42.4429



45.9374, 46.5821, 64.6806

Square

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



40.7103, 46.5821, 42.4429



41.2816, 46.5821, 61.9562



48.0417, 46.5821, 60.0088



47.4094, 46.5821, 40.9317

Rectangle

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



40.7103, 46.5821, 42.4429



39.7371, 46.5821, 53.1589



48.0417, 46.5821, 60.0088



49.1457, 46.5821, 48.3569

Sweetspot

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



40.7116, 46.5841, 42.4439



80.3644, 86.9835, 89.3155



44.3653, 47.4401, 42.4166



17.5289, 19.0748, 19.3665



90.7827, 95.5105, 104.0109



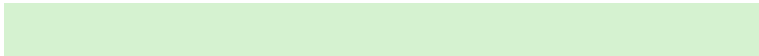
18.6292, 19.5994, 21.3438

Same Dimension

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



40.7116, 46.5841, 42.4439



70.6815, 82.3637, 72.0633



40.8027, 46.5476, 46.2184



9.5265, 10.7103, 10.1418



12.5650, 24.6534, 4.0963



0.5318, 0.9861, 0.1623

Inverse Universe

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



42.1938, 40.6898, 52.6462



73.8369, 69.8137, 93.7852



42.1174, 40.7431, 48.4532



9.7986, 9.6286, 12.0143



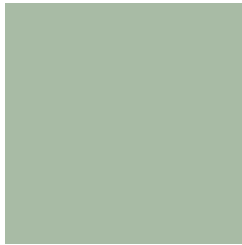
16.4226, 7.7522, 33.0237



0.6791, 0.3221, 1.2952

Previews

White Background



This preview shows how the XYZ color 40.7103, 46.5821, 42.4429 looks on a white background.

Color Contrast Check

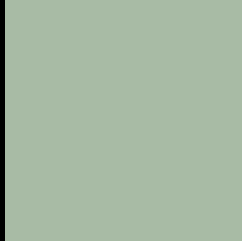
Large Text (above 18pt) WCAG AA × Fail

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 40.7103, 46.5821, 42.4429 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

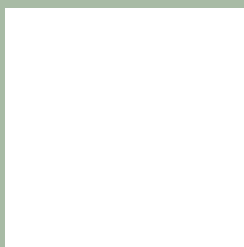
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7103, 46.5821, 42.4429

Background



This preview shows how black text looks on a background with the XYZ color 40.7103, 46.5821, 42.4429.



This preview shows how white text looks on a background with the XYZ color 40.7103, 46.5821,

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

40.7103, 46.5821, 42.4429

Protanopia

44.0317, 46.4752, 40.8323

Deuteranopia

47.2069, 46.2873, 43.0055



Tritanopia

44.0396, 46.3714, 59.4528

Trichromacy



Original Color

40.7103, 46.5821, 42.4429

Protanomaly

42.6004, 46.3351, 41.3486

Deuteranomaly

44.4889, 46.0697, 42.6239

Tritanomaly

42.6920, 46.4417, 52.6130

Monochromacy



Original Color

40.7103, 46.5821, 42.4429

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.0471, 45.6258, 46.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7103, 46.5821, 42.4429 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(168, 187, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 165)  
}
```

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(168, 187, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 165) }
```

Border

The CSS property to change the border of an element to XYZ 40.7103, 46.5821, 42.4429 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(168, 187, 165) }
```


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

```
.border{ border-color:rgb(168, 187, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 187, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 187, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 187, 165); box-shadow:4px 4px 4px 4px rgb(168, 187, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7103, 46.5821, 42.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 165) }
```

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

```
.background{ background-color: rgb(168,  
187, 165) }
```

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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