

Converting Colors

XYZ(41.4955, 46.3407, 39.6013)

Have a look what the booklet for
XYZ(41.4955, 46.3407, 39.6013)
contains.

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Color

**XYZ(41.5115, 46.4312,
39.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B99F
RGB	176, 185, 159
RGB Percent	69%, 73%, 62%
CMY	0.3098, 0.2745, 0.3765
CMYK	0.05, 0.00, 0.14, 0.27
HSL	81°, 16%, 67%
HSV	81°, 14%, 73%
XYZ	41.5115, 46.4312, 39.5751
YIQ	179.3450, 2.9820, -9.9940

Conversions

Conversions Part 2

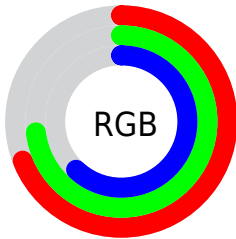
Format	Color
RYB	159, 185, 168
Decimal	11581855
CIELab	73.82, -7.82, 12.14
CIElCh	74, 14.439, 122.785
Yxy	46.4312, 0.3255, 0.3641
Android (android.graphics.Color)	4289771935 (0xFFB0B99F)
YUV	179.3450, -10.0301, -2.9336
Hunter-Lab	68.1404, -10.5027, 13.2634

Details

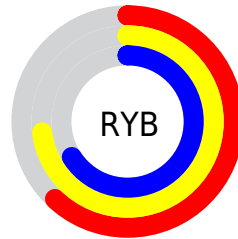
The XYZ color **41.5115, 46.4312, 39.5751** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.3052, 36.6251, 51.0045**, and the grayscale version is **43.0836, 45.3273, 49.3614**.

A 20% lighter version of the original color is **76.8716, 84.9214, 75.9582**, and **19.1264, 21.7962, 17.3864** is the 20% darker color. If you saturate the color by 10%, you get **38.6108, 45.1090, 31.6770**, and if you desaturate by 10%, it is **44.7234, 47.8888, 48.7440**.

Distribution



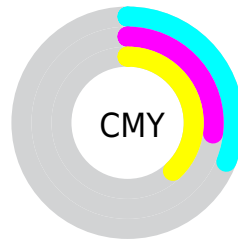
- Red (69%)
- Green (73%)
- Blue (62%)



- Red (62%)
- Yellow (73%)
- Blue (66%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5115, 46.4312, 39.5751 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 41.5115, 46.4312, 39.5751 by changing the saturation by 10% instead.

■ 41.5115, 46.4312,
39.5751

■ 41.5115, 46.4312,
39.5751

343.4801,
372.5395, 359.8281

■ 28.9084, 32.5862,
26.8961

■ 76.7296, 84.8640,
75.7460

■ 19.1555, 21.8097,
17.2635

■ 100.0753,
110.2205, 100.0751

■ 11.8874, 13.7171,
10.2586

127.7326,
140.1831, 129.1247

■ 6.7387, 7.9242,
5.4629

160.0668,
175.1360, 163.3132

■ 3.3441, 4.0465,
2.4579

197.4433,
215.4637, 203.0593

■ 1.3382, 1.6996,
0.8177

240.2274,

■ 0.2116, 0.4234,

261.5506, 248.7814

0.0000

288.7846,
313.7811, 300.8982

■ 0.0000, 0.0000,
0.0000

■ 41.5115, 46.4312,
39.5751

■ 41.5115, 46.4312,
39.5751

■ 38.6108, 45.1090,
31.6770

■ 44.7234, 47.8888,
48.7440

■ 36.0059, 43.9115,
24.9906

■ 48.2537, 49.4802,
59.2333

■ 33.6858, 42.8355,
19.4566


■ 52.1138, 51.2116,
71.0936

■ 31.6371, 41.8756,
15.0096


■ 56.3136, 53.0872,
84.3720


■ 29.8450, 41.0259,
11.5776


■ 60.8625, 55.1107,
99.1132


 28.2932, 40.2796,
9.0797


 63.2584, 56.2813,
102.1370


 26.9631, 39.6292,
7.4231

 65.1700, 57.2668,
102.2265

 25.8322, 39.0656,
6.4955

 67.1559, 58.2906,
102.3194

 25.2278, 38.7610,
6.1520

 69.2171, 59.3532,
102.4159

Harmonies

Analogous

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



43.8920, 46.4312, 37.7063



41.5115, 46.4312, 39.5751



39.8846, 46.4312, 44.3606

Triad

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



41.5115, 46.4312, 39.5751



41.9117, 46.4312, 64.2023



49.2491, 46.4312, 49.8717

Complementary

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



41.5115, 46.4312, 39.5751



37.3052, 36.6251, 51.0045

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.



48.6696, 46.4312, 57.3022



41.5115, 46.4312, 39.5751



44.3718, 46.4312, 66.0356

Square

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



41.5115, 46.4312, 39.5751



40.1093, 46.4312, 58.6057



46.8594, 46.4312, 63.3999



48.4139, 46.4312, 43.2788

Rectangle

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



41.5115, 46.4312, 39.5751



39.4121, 46.4312, 48.8005



46.8594, 46.4312, 63.3999



49.2133, 46.4312, 52.3525

Sweetspot

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



41.5128, 46.4332, 39.5761



80.0890, 85.7612, 87.2778



40.2084, 40.7013, 38.5385



17.1683, 18.4444, 18.5323



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



41.5128, 46.4332, 39.5761



72.6109, 82.3677, 66.0746



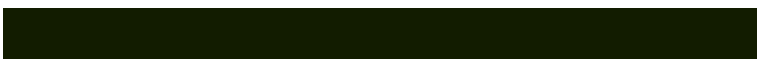
38.7810, 45.0250, 39.4483



9.4401, 10.3435, 9.6059



17.2578, 26.4330, 4.1925



0.6723, 0.9648, 0.1508

Inverse Universe

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



37.3052, 36.6251, 51.0045



63.5537, 61.2528, 90.6779



40.1347, 38.0837, 51.1369



8.8065, 8.8666, 11.3267



7.4764, 3.1654, 31.4700



0.3318, 0.1468, 1.1126

Previews

White Background



This preview shows how the XYZ color 41.5115, 46.4312, 39.5751 looks on a white background.

Color Contrast Check

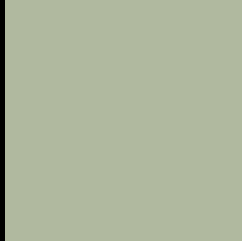
Large Text (above 18pt) WCAG AA × Fail

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 41.5115, 46.4312, 39.5751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

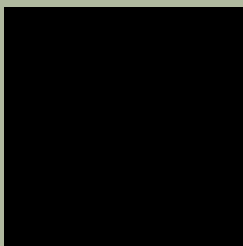
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

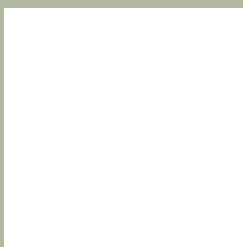
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5115, 46.4312, 39.5751

Background



This preview shows how black text looks on a background with the XYZ color 41.5115, 46.4312, 39.5751.



This preview shows how white text looks on a background with the XYZ color 41.5115, 46.4312,

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

41.5115, 46.4312, 39.5751

Protanopia

43.8449, 46.4292, 38.5492

Deuteranopia

47.2166, 46.3550, 40.1770



Tritanopia

45.1149, 46.3613, 57.6098

Trichromacy



Original Color

41.5115, 46.4312, 39.5751

Protanomaly

42.9071, 46.2388, 39.0113

Deuteranomaly

44.9709, 46.3804, 39.8398

Tritanomaly

43.6588, 46.3758, 50.3664

Monochromacy



Original Color

41.5115, 46.4312, 39.5751

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.3304, 45.4913, 45.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5115, 46.4312, 39.5751 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, 185, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 159)  
}
```

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, 185, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 159) }
```

Border

The CSS property to change the border of an element to XYZ 41.5115, 46.4312, 39.5751 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, 185, 159) }
```


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

```
.border{ border-color:rgb(176, 185, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 185, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5115, 46.4312, 39.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 159) }
```

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

```
.background{ background-color: rgb(176,  
185, 159) }
```

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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