

Converting Colors

XYZ(41.8654, 46.9832, 39.3546)

Have a look what the booklet for
XYZ(41.8654, 46.9832, 39.3546)
contains.

XYZ(41.8619, 46.9335, 39.2005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.8619, 46.9335,
39.2005)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BA9E
RGB	177, 186, 158
RGB Percent	69%, 73%, 62%
CMY	0.3059, 0.2706, 0.3804
CMYK	0.05, 0.00, 0.15, 0.27
HSL	79°, 17%, 67%
HSV	79°, 15%, 73%
XYZ	41.8619, 46.9335, 39.2005
YIQ	180.1170, 3.6240, -10.6160

Conversions

Conversions Part 2

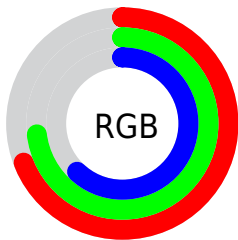
Format	Color
RYB	158, 186, 167
Decimal	11647646
CIELab	74.15, -8.15, 13.15
CIELCh	74, 15.466, 121.780
Yxy	46.9335, 0.3271, 0.3667
Android (android.graphics.Color)	4289837726 (0xFFB1BA9E)
YUV	180.1170, -10.9037, -2.7336
Hunter-Lab	68.5080, -10.8164, 14.0297

Details

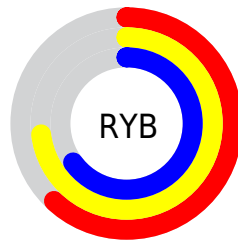
The XYZ color **41.8619, 46.9335, 39.2005** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0280, 36.2157, 51.4956**, and the grayscale version is **43.5016, 45.7671, 49.8404**.

A 20% lighter version of the original color is **77.3666, 85.6320, 75.4018**, and **19.3536, 22.1217, 17.1598** is the 20% darker color. If you saturate the color by 10%, you get **39.0484, 45.6557, 31.3344**, and if you desaturate by 10%, it is **44.9800, 48.3431, 48.3478**.

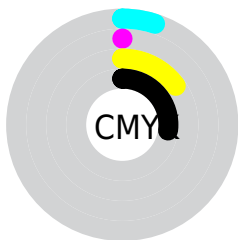
Distribution



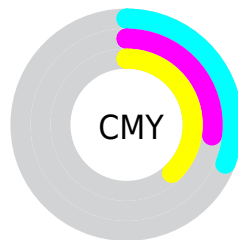
- Red (69%)
- Green (73%)
- Blue (62%)



- Red (62%)
- Yellow (73%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8619, 46.9335, 39.2005 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 41.8619, 46.9335, 39.2005 by changing the saturation by 10% instead.

■ 41.8619, 46.9335,
39.2005

■ 41.8619, 46.9335,
39.2005

344.9115,
374.5490, 358.1936

■ 29.1838, 32.9831,
26.6067

■ 77.2571, 85.6144,
75.1682

■ 19.3649, 22.1135,
17.0482

■ 100.7048,
111.1136, 99.3792

■ 12.0398, 13.9403,
10.1066

128.4732,
141.2312, 128.2998

■ 6.8432, 8.0792,
5.3631

160.9275,
176.3516, 162.3483

■ 3.4097, 4.1456,
2.3994

198.4332,
216.8592, 201.9434

■ 1.3739, 1.7554,
0.7861

241.3555,

■ 0.2375, 0.4591,

263.1384, 247.5036

0.0000

290.0598,
315.5735, 299.4475

■ 0.0000, 0.0000,
0.0000

■ 41.8619, 46.9335,
39.2005

■ 41.8619, 46.9335,
39.2005

■ 39.0484, 45.6557,
31.3344

■ 44.9800, 48.3431,
48.3478

■ 36.5241, 44.4988,
24.6893

■ 48.4099, 49.8829,
58.8268

■ 34.2779, 43.4599,
19.2045

■ 52.1631, 51.5591,
70.6890

■ 32.2961, 42.5335,
14.8132

■ 56.2494, 53.3756,
83.9825

■ 30.5642, 41.7134,
11.4415

■ 60.6782, 55.3364,
98.7528

■ 29.0654, 40.9931,
9.0067

■ 63.0168, 56.4685,
102.1859

■ 27.7807, 40.3648,
7.4130

■ 64.7825, 57.3787,
102.2685

■ 26.6873, 39.8192,
6.5434

■ 66.6129, 58.3223,
102.3542

■ 26.1934, 39.5704,
6.2573

■ 68.5086, 59.2996,
102.4429

Harmonies

Analogous

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



44.4436, 46.9335, 37.3209



41.8619, 46.9335, 39.2005



40.0780, 46.9335, 44.2232

Triad

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



41.8619, 46.9335, 39.2005



42.1372, 46.9335, 65.7577



50.1476, 46.9335, 50.6301

Complementary

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



41.8619, 46.9335, 39.2005



37.0280, 36.2157, 51.4956

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.



49.4690, 46.9335, 58.6609



41.8619, 46.9335, 39.2005



44.7746, 46.9335, 67.9174

Square

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



41.8619, 46.9335, 39.2005



40.2323, 46.9335, 59.5654



47.4735, 46.9335, 65.1986



49.2919, 46.9335, 43.4819

Rectangle

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



41.8619, 46.9335, 39.2005



39.5419, 46.9335, 48.9524



47.4735, 46.9335, 65.1986



50.0913, 46.9335, 53.3148

Sweetspot

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



41.8632, 46.9355, 39.2015



81.5082, 87.6128, 87.5792



40.2172, 40.4978, 38.0457



17.8576, 19.2524, 19.0115



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.



41.8632, 46.9355, 39.2015



74.1621, 84.2918, 66.1782



38.8635, 45.3892, 39.0611



9.4618, 10.3547, 9.6069



17.7020, 26.6620, 4.2133



0.6856, 0.9716, 0.1514

Inverse Universe

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



37.0280, 36.2157, 51.4956



63.7500, 61.2056, 92.6553



40.1162, 37.8077, 51.6401



8.7857, 8.8559, 11.3257



7.2788, 3.0635, 31.4608



0.3231, 0.1423, 1.1122

Previews

White Background



This preview shows how the XYZ color 41.8619, 46.9335, 39.2005 looks on a white background.

Color Contrast Check

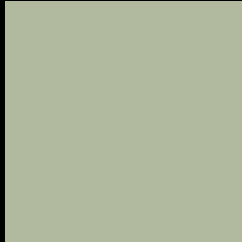
Large Text (above 18pt) WCAG AA × Fail

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 41.8619, 46.9335, 39.2005 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

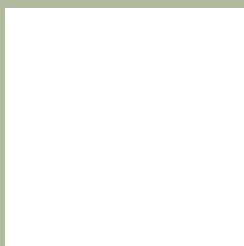
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8619, 46.9335, 39.2005

Background



This preview shows how black text looks on a background with the XYZ color 41.8619, 46.9335, 39.2005.



This preview shows how white text looks on a background with the XYZ color 41.8619, 46.9335,

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

41.8619, 46.9335, 39.2005

Protanopia

44.2146, 46.9326, 38.1810

Deuteranopia

47.6876, 46.6079, 39.7405



Tritanopia

45.6656, 46.9330, 58.2819

Trichromacy



Original Color

41.8619, 46.9335, 39.2005

Protanomaly

43.2690, 46.7404, 38.6396

Deuteranomaly

45.4041, 46.6137, 39.4052

Tritanomaly

44.1994, 46.9477, 50.9882

Monochromacy



Original Color

41.8619, 46.9335, 39.2005

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7647, 46.0182, 45.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8619, 46.9335, 39.2005 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, 186, 158)` looks like.

```
.text, #text, p{  
    color:rgb(177, 186, 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, 186, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 186, 158) }
```

Border

The CSS property to change the border of an element to XYZ 41.8619, 46.9335, 39.2005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

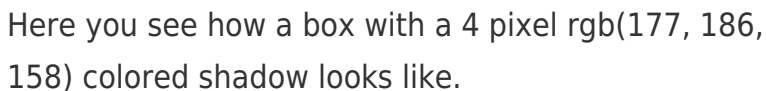
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 186, 158) }
```


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

```
.border{ border-color:rgb(177, 186, 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, 186, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 186, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 186, 158);  
box-shadow:4px 4px 4px 4px rgb(177, 186,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8619, 46.9335, 39.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 186, 158) }
```

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

```
.background{ background-color: rgb(177,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor