

Converting Colors

XYZ(41.3071, 49.6612, 39.5560)

Have a look what the booklet for
XYZ(41.3071, 49.6612, 39.5560)
contains.

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Color

**XYZ(41.2037, 49.4982,
39.7302)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C39E
RGB	165, 195, 158
RGB Percent	65%, 76%, 62%
CMY	0.3529, 0.2353, 0.3804
CMYK	0.15, 0.00, 0.19, 0.24
HSL	109°, 24%, 69%
HSV	109°, 19%, 76%
XYZ	41.2037, 49.4982, 39.7302
YIQ	181.8120, -6.0030, -17.8670

Conversions

Conversions Part 2

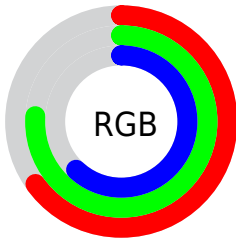
Format	Color
RYB	158, 195, 188
Decimal	10863518
CIELab	75.76, -17.10, 15.29
CIELCh	76, 22.941, 138.202
Yxy	49.4982, 0.3159, 0.3795
Android (android.graphics.Color)	4289053598 (0xFFA5C39E)
YUV	181.8120, -11.7393, -14.7441
Hunter-Lab	70.3550, -18.5818, 15.7668

Details

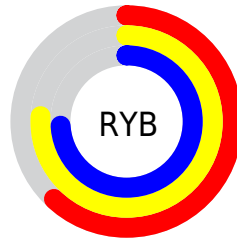
The XYZ color **41.2037, 49.4982, 39.7302** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8183, 39.0867, 56.9201**, and the grayscale version is **44.4264, 46.7401, 50.8999**.

A 20% lighter version of the original color is **76.3358, 89.6405, 76.2298**, and **18.9888, 23.6220, 17.4686** is the 20% darker color. If you saturate the color by 10%, you get **36.5689, 47.2891, 31.4358**, and if you desaturate by 10%, it is **46.5142, 52.0277, 49.4487**.

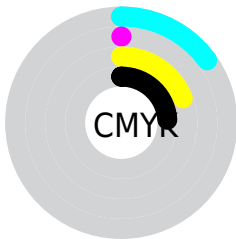
Distribution



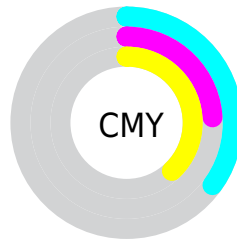
- Red (65%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (74%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)



- Cyan (35%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2037, 49.4982, 39.7302 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 41.2037, 49.4982, 39.7302 by changing the saturation by 10% instead.

■ 41.2037, 49.4982,
39.7302

■ 41.2037, 49.4982,
39.7302

342.2193,
384.7003, 360.5033

■ 28.6667, 35.0148,
27.0161

■ 76.2658, 89.4309,
75.9851

■ 18.9718, 23.6743,
17.3527

■ 99.5215, 115.6491,
100.3629

■ 11.7538, 15.0922,
10.3217

127.0809,
146.5477, 129.4657

■ 6.6473, 8.8841,
5.5044

159.3092,
182.5111, 163.7120

■ 3.2869, 4.6657,
2.4823

196.5719,
223.9236, 203.5204

■ 1.3072, 2.0525,
0.8307

239.2342,

■ 0.1886, 0.6377,

271.1697, 249.3094

0.0000

287.6616,
324.6339, 301.4975

■ 0.0000, 0.0000,
0.0000

■ 41.2037, 49.4982,
39.7302

■ 41.2037, 49.4982,
39.7302

■ 36.5689, 47.2891,
31.4358

■ 46.5142, 52.0277,
49.4487

■ 32.5784, 45.3814,
24.4954

■ 52.5222, 54.8833,
60.6502

■ 29.2045, 43.7638,
18.8382

■ 59.2533, 58.0782,
73.3944

■ 26.4156, 42.4218,
14.3854

■ 66.7307, 61.6232,
87.7369

■ 24.1773, 41.3394,
11.0495

■ 74.8953, 65.4961,
103.3023

■ 22.4515, 40.4992,
8.7315

■ 78.8061, 67.5122,
103.4854

■ 21.1945, 39.8813,
7.3147

■ 20.3451, 39.4583,
6.6013

■ 20.2749, 39.4234,
6.5409

Harmonies

Analogous

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



44.5355, 49.4982, 34.5501



41.2037, 49.4982, 39.7302



39.4794, 49.4982, 49.2421

Triad

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



41.2037, 49.4982, 39.7302



45.3925, 49.4982, 80.2568



55.2597, 49.4982, 46.8984

Complementary

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



41.2037, 49.4982, 39.7302



42.8183, 39.0867, 56.9201

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.



55.5236, 49.4982, 58.8325



41.2037, 49.4982, 39.7302



49.6503, 49.4982, 79.3762

Square

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



41.2037, 49.4982, 39.7302



41.7984, 49.4982, 73.3310



53.4172, 49.4982, 71.0806



52.7165, 49.4982, 38.2381

Rectangle

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



41.2037, 49.4982, 39.7302



39.4001, 49.4982, 57.3095



53.4172, 49.4982, 71.0806



55.6233, 49.4982, 50.6192

Sweetspot

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



41.2050, 49.5003, 39.7313



86.2745, 94.5906, 94.0637



46.5773, 49.8688, 39.5193



18.7407, 20.6419, 20.3158



0.0000, 0.0000, 0.0000



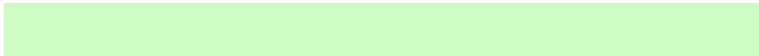
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2050, 49.5003, 39.7313



70.0118, 86.8479, 64.3401



40.7881, 49.1699, 44.9276



10.1183, 11.3484, 10.7191



13.2306, 25.6495, 4.2535



0.6265, 1.1365, 0.1863

Inverse Universe

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



42.8183, 39.0867, 56.9201



73.4554, 64.5958, 101.0665



43.3756, 39.5136, 50.6352



10.3045, 10.1481, 12.7005



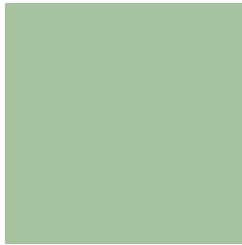
15.6485, 7.3275, 34.1462



0.7254, 0.3420, 1.4777

Previews

White Background



This preview shows how the XYZ color 41.2037, 49.4982, 39.7302 looks on a white background.

Color Contrast Check

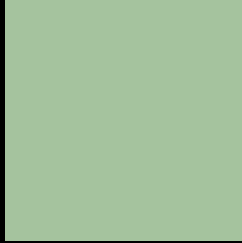
Large Text (above 18pt) WCAG AA × Fail

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 41.2037, 49.4982, 39.7302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

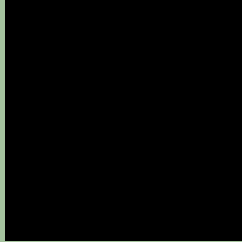
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2037, 49.4982, 39.7302

Background



This preview shows how black text looks on a background with the XYZ color 41.2037, 49.4982, 39.7302.



This preview shows how white text looks on a background with the XYZ color 41.2037, 49.4982,

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

41.2037, 49.4982, 39.7302

Protanopia

46.4176, 49.3212, 37.6453

Deuteranopia

49.9937, 48.9595, 40.5334



Tritanopia

46.1099, 49.5255, 64.2559

Trichromacy



Original Color

41.2037, 49.4982, 39.7302

Protanomaly

44.1216, 49.0760, 38.1575

Deuteranomaly

46.4591, 48.9718, 40.2615

Tritanomaly

43.9626, 49.2845, 54.2095

Monochromacy



Original Color

41.2037, 49.4982, 39.7302

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.2176, 47.7879, 46.4813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2037, 49.4982, 39.7302 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(165, 195, 158)` looks like.

```
.text, #text, p{  
    color:rgb(165, 195, 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(165, 195, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 195, 158) }
```

Border

The CSS property to change the border of an element to XYZ 41.2037, 49.4982, 39.7302 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(165, 195, 158) }
```


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

```
.border{ border-color:rgb(165, 195, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 195, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 195, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 195, 158); box-shadow:4px 4px 4px 4px rgb(165, 195, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2037, 49.4982, 39.7302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 195, 158) }
```

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

```
.background{ background-color: rgb(165,  
195, 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](#).

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