

Converting Colors

XYZ(41.8760, 49.1519, 40.1009)

Have a look what the booklet for
XYZ(41.8760, 49.1519, 40.1009)
contains.

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Color

**XYZ(41.9055, 49.1892,
40.0867)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AAC19F |
| RGB | 170, 193, 159 |
| RGB Percent | 67%, 76%, 62% |
| CMY | 0.3333, 0.2431, 0.3765 |
| CMYK | 0.12, 0.00, 0.18, 0.24 |
| HSL | 101°, 22%, 69% |
| HSV | 101°, 18%, 76% |
| XYZ | 41.9055, 49.1892, 40.0867 |
| YIQ | 182.2470, -2.7940, -15.4500 |

Conversions

Conversions Part 2

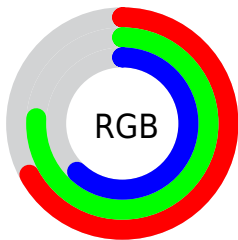
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 159, 193, 182 |
| Decimal | 11190687 |
| CIELab | 75.57, -14.14, 14.53 |
| CIELCh | 76, 20.279, 134.215 |
| Yxy | 49.1892, 0.3194, 0.3750 |
| Android (android.graphics.Color) | 4289380767 (0xFFAAC19F) |
| YUV | 182.2470, -11.4608, -10.7406 |
| Hunter-Lab | 70.1350, -16.0830, 15.2064 |

Details

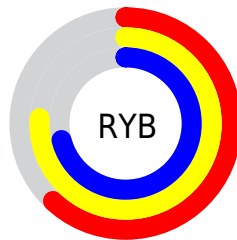
The XYZ color **41.9055, 49.1892, 40.0867** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3173, 38.5930, 55.7263**, and the grayscale version is **44.6607, 46.9866, 51.1684**.

A 20% lighter version of the original color is **77.0646, 88.6140, 76.6608**, and **19.3577, 23.3783, 17.4021** is the 20% darker color. If you saturate the color by 10%, you get **37.6762, 47.1890, 31.8182**, and if you desaturate by 10%, it is **46.6794, 51.4428, 49.7479**.

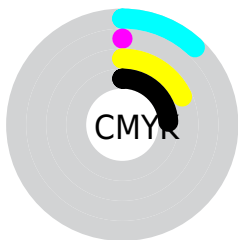
Distribution



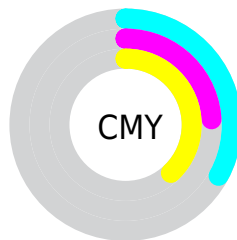
- Red (67%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9055, 49.1892, 40.0867 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 41.9055, 49.1892, 40.0867 by changing the saturation by 10% instead.

■ 41.9055, 49.1892,
40.0867

■ 41.9055, 49.1892,
40.0867

345.0893,
383.4867, 362.0518

■ 29.2181, 34.7696,
27.2918

■ 77.3226, 88.9724,
76.5341

■ 19.3910, 23.4854,
17.5582

■ 100.7831,
115.1048, 101.0236

■ 12.0588, 14.9524,
10.4671

128.5653,
145.9102, 130.2485

■ 6.8562, 8.7860,
5.6001

161.0345,
181.7730, 164.6273

■ 3.4179, 4.6018,
2.5387

198.5562,
223.0777, 204.5785

■ 1.3784, 2.0156,
0.8605

241.4956,

■ 0.2408, 0.6165,

270.2086, 250.5206

0.0000

290.2182,
323.5501, 302.8722

■ 0.0000, 0.0000,
0.0000

■ 41.9055, 49.1892,
40.0867

■ 41.9055, 49.1892,
40.0867

■ 37.6762, 47.1890,
31.8182

■ 46.6794, 51.4428,
49.7479

■ 33.9672, 45.4268,
24.8751

■ 52.0131, 53.9521,
60.8584

■ 30.7584, 43.8951,
19.1892

■ 57.9261, 56.7271,
73.4759

■ 28.0266, 42.5837,
14.6851

■ 64.4355, 59.7758,
87.6537

■ 25.7464, 41.4812,
11.2793

■ 71.4768, 63.0730,
103.0148

■ 23.8901, 40.5755,
8.8774

■ 75.9546, 65.3814,
103.2244

■ 22.4260, 39.8526,
7.3690

■ 78.3610, 66.6219,
103.3370

■ 21.3122, 39.2944,
6.5934

■ 21.0847, 39.1801,
6.4512

Harmonies

Analogous

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



45.0056, 49.1892, 35.9401



41.9055, 49.1892, 40.0867



40.1556, 49.1892, 48.1383

Triad

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



41.9055, 49.1892, 40.0867



44.8198, 49.1892, 75.9743



54.0921, 49.1892, 48.6490

Complementary

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



41.9055, 49.1892, 40.0867



41.3173, 38.5930, 55.7263

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.



54.0358, 49.1892, 59.3714



41.9055, 49.1892, 40.0867



48.5448, 49.1892, 76.1593

Square

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



41.9055, 49.1892, 40.0867



41.7758, 49.1892, 69.2782



51.9603, 49.1892, 69.7542



52.1103, 49.1892, 40.4173

Rectangle

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



41.9055, 49.1892, 40.0867



39.9281, 49.1892, 55.0898



51.9603, 49.1892, 69.7542



54.3141, 49.1892, 52.0562

Sweetspot

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



41.9068, 49.1913, 40.0878



85.9282, 93.2267, 93.8970



44.9121, 47.1623, 39.5377



18.2937, 19.9340, 19.8531



92.9021, 97.7402, 106.4391



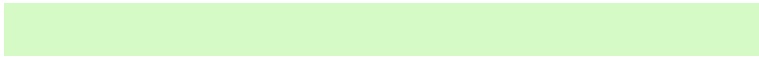
19.4759, 20.4902, 22.3138

Same Dimension

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



41.9068, 49.1913, 40.0878



72.1283, 86.7155, 66.0128



40.1308, 48.2176, 42.6313



10.2444, 11.4134, 10.7250



14.0982, 26.0967, 4.2941



0.6824, 1.1653, 0.1890

Inverse Universe

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



41.3173, 38.5930, 55.7263



70.8813, 64.3308, 99.0415



43.3977, 39.7372, 52.5861



10.1703, 10.0790, 12.6942



12.6701, 5.7921, 34.0068



0.6170, 0.2861, 1.4726

Previews

White Background



This preview shows how the XYZ color 41.9055, 49.1892, 40.0867 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 41.9055, 49.1892, 40.0867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

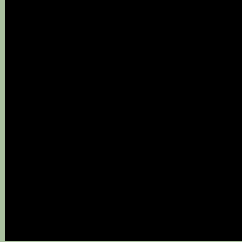
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9055, 49.1892, 40.0867

Background



This preview shows how black text looks on a background with the XYZ color 41.9055, 49.1892, 40.0867.



This preview shows how white text looks on a background with the XYZ color 41.9055, 49.1892,

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

41.9055, 49.1892, 40.0867

Protanopia

46.0303, 48.8002, 38.0037

Deuteranopia

49.7931, 48.8459, 40.9862



Tritanopia

46.5625, 49.1520, 62.9103

Trichromacy



Original Color

41.9055, 49.1892, 40.0867

Protanomaly

44.4775, 48.9315, 38.5530

Deuteranomaly

46.5995, 48.7245, 40.6669

Tritanomaly

44.5161, 48.9390, 53.5543

Monochromacy



Original Color

41.9055, 49.1892, 40.0867

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5590, 47.6388, 46.9438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9055, 49.1892, 40.0867 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(170, 193, 159)` looks like.

```
.text, #text, p{  
    color:rgb(170, 193, 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(170, 193, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 193, 159) }
```

Border

The CSS property to change the border of an element to XYZ 41.9055, 49.1892, 40.0867 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(170, 193, 159) }
```


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

```
.border{ border-color:rgb(170, 193, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 193, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 193, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 193, 159);  
box-shadow:4px 4px 4px 4px rgb(170, 193,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9055, 49.1892, 40.0867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 193, 159) }
```

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

```
.background{ background-color: rgb(170,  
193, 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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