

Converting Colors

XYZ(40.9800, 42.5712, 49.6178)

Have a look what the booklet for
XYZ(40.9800, 42.5712, 49.6178)
contains.

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Color

**XYZ(41.1557, 42.7223,
49.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAEB5
RGB	175, 174, 181
RGB Percent	69%, 68%, 71%
CMY	0.3137, 0.3176, 0.2902
CMYK	0.03, 0.04, 0.00, 0.29
HSL	249°, 5%, 70%
HSV	249°, 4%, 71%
XYZ	41.1557, 42.7223, 49.7931
YIQ	175.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

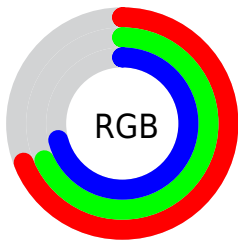
Format	Color
RYB	175, 174, 181
Decimal	11513525
CIELab	71.37, 1.69, -3.46
CIElCh	71, 3.847, 296.071
Yxy	42.7223, 0.3079, 0.3196
Android (android.graphics.Color)	4289703605 (0xFFAFAEB5)
YUV	175.0970, 2.9102, -0.0851
Hunter-Lab	65.3623, -1.9906, 0.5864

Details

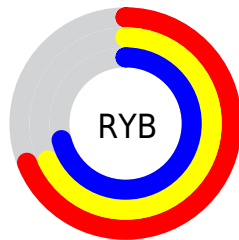
The XYZ color **41.1557, 42.7223, 49.7931** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.9879, 45.8082, 46.6228**, and the grayscale version is **40.7848, 42.9088, 46.7277**.

A 20% lighter version of the original color is **76.2604, 79.1420, 91.3773**, and **19.0242, 19.6885, 23.2197** is the 20% darker color. If you saturate the color by 10%, you get **34.6063, 34.5011, 48.5521**, and if you desaturate by 10%, it is **48.5793, 52.0960, 51.2118**.

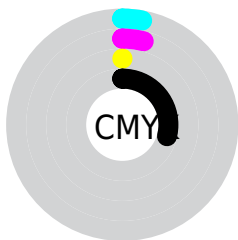
Distribution



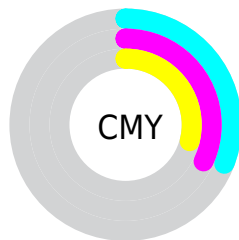
- Red (69%)
- Green (68%)
- Blue (71%)



- Red (69%)
- Yellow (68%)
- Blue (71%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (31%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1557, 42.7223, 49.7931 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 41.1557, 42.7223, 49.7931 by changing the saturation by 10% instead.

■ 41.1557, 42.7223,
49.7931

■ 41.1557, 42.7223,
49.7931

342.0224,
357.4685, 402.5681

■ 28.6290, 29.6673,
34.8790

■ 76.1934, 79.2916,
91.2614

■ 18.9432, 19.5862,
23.2869

99.4351, 103.5747,
118.6527

■ 11.7330, 12.0946,
14.5982

126.9792,
132.3693, 151.0401

■ 6.6330, 6.8081,
8.3944

159.1909,
166.0598, 188.8422

■ 3.2780, 3.3424,
4.2570

196.4358,
205.0306, 232.4775

■ 1.3024, 1.3130,
1.7673

239.0791,

■ 0.1850, 0.1512,

249.6660, 282.3646

0.4063

287.4862,
300.3505, 338.9219

■ 0.0000, 0.0000,
0.0000

■ 41.1557, 42.7223,
49.7931

■ 41.1557, 42.7223,
49.7931

■ 34.6063, 34.5011,
48.5521

■ 48.5793, 52.0960,
51.2118

■ 28.8951, 27.3825,
47.4791

■ 56.9038, 62.6588,
52.8119

■ 23.9892, 21.3211,
46.5677

■ 66.1596, 74.4521,
54.6004

■ 19.8520, 16.2663,
45.8100

■ 76.3743, 87.5141,
56.5832

■ 16.4441, 12.1631,
45.1977

■ 84.4670, 95.6659,
57.7301

■ 13.7225, 8.9513,
44.7212

■ 85.3406, 96.1162,
57.7710

■ 11.6396, 6.5640,
44.3702

■ 10.1414, 4.9243,
44.1326

■ 9.1650, 3.9406,
43.9942

Harmonies

Analogous

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



40.5210, 42.7223, 50.1648



41.1557, 42.7223, 49.7931



41.6477, 42.7223, 48.5354

Triad

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



41.1557, 42.7223, 49.7931



41.3049, 42.7223, 43.6221



39.3772, 42.7223, 46.2735

Complementary

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



41.1557, 42.7223, 49.7931



42.9879, 45.8082, 46.6228

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.



39.5823, 42.7223, 44.5560



41.1557, 42.7223, 49.7931



40.6916, 42.7223, 43.0511

Square

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



41.1557, 42.7223, 49.7931



41.7345, 42.7223, 44.9683



40.0617, 42.7223, 43.3885



39.4985, 42.7223, 48.1015

Rectangle

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



41.1557, 42.7223, 49.7931



41.8263, 42.7223, 47.3807



40.0617, 42.7223, 43.3885



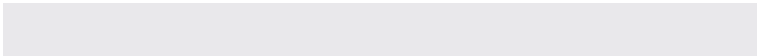
39.4102, 42.7223, 45.6645

Sweetspot

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



41.1569, 42.7241, 49.7940



77.3358, 81.0858, 89.8697



42.1322, 45.0055, 50.1830



16.7302, 17.5447, 19.4269



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



41.1569, 42.7241, 49.7940



72.1990, 74.6148, 88.8914



41.9377, 43.1266, 49.8306



8.6912, 8.9652, 10.7787



6.0761, 2.4681, 30.2931



0.2264, 0.0958, 0.9548

Inverse Universe

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



42.4319, 43.3932, 49.3217



75.1798, 76.1792, 87.7794



42.1981, 45.4010, 46.5858



9.0877, 9.1733, 10.6303



17.2476, 8.4166, 22.2618



0.5569, 0.2705, 0.7752

Previews

White Background



This preview shows how the XYZ color 41.1557, 42.7223, 49.7931 looks on a white background.

Color Contrast Check

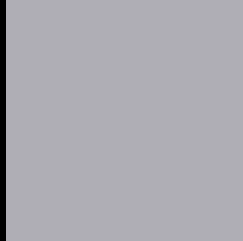
Large Text (above 18pt) WCAG AA × Fail

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 41.1557, 42.7223, 49.7931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

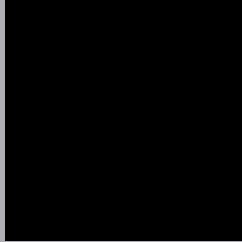
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1557, 42.7223, 49.7931

Background



This preview shows how black text looks on a background with the XYZ color 41.1557, 42.7223, 49.7931.

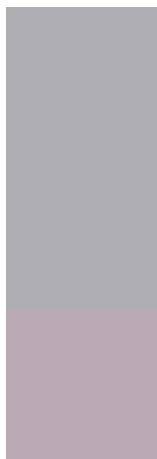


This preview shows how white text looks on a background with the XYZ color 41.1557, 42.7223,

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

41.1557, 42.7223, 49.7931

Protanopia

41.3810, 42.8384, 49.8037

Deuteranopia

43.3705, 42.4447, 50.1627



Tritanopia

41.8177, 42.7051, 53.0526

Trichromacy



Original Color

41.1557, 42.7223, 49.7931

Protanomaly

41.3810, 42.8384, 49.8037

Deuteranomaly

42.5348, 42.5705, 50.2311

Tritanomaly

41.6050, 42.6200, 51.9326

Monochromacy



Original Color

41.1557, 42.7223, 49.7931

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.9450, 42.9482, 47.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1557, 42.7223, 49.7931 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(175, 174, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 174, 181)  
}
```

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(175, 174, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 174, 181) }
```

Border

The CSS property to change the border of an element to XYZ 41.1557, 42.7223, 49.7931 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(175, 174, 181) }
```


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

```
.border{ border-color:rgb(175, 174, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 174, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 174, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 174, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 174,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1557, 42.7223, 49.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 174, 181) }
```

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

```
.background{ background-color: rgb(175,  
174, 181) }
```

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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