

Converting Colors

XYZ(40.0799, 42.2328, 47.0877)

Have a look what the booklet for
XYZ(40.0799, 42.2328, 47.0877)
contains.

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Color

**XYZ(39.9858, 42.1773,
47.1079)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAEB0
RGB	172, 174, 176
RGB Percent	67%, 68%, 69%
CMY	0.3255, 0.3176, 0.3098
CMYK	0.02, 0.01, 0.00, 0.31
HSL	210°, 2%, 68%
HSV	210°, 2%, 69%
XYZ	39.9858, 42.1773, 47.1079
YIQ	173.6300, -1.8340, 0.1980

Conversions

Conversions Part 2

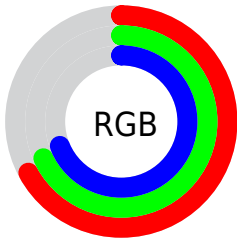
Format	Color
RYB	172, 173, 176
Decimal	11316912
CIELab	70.99, -0.32, -1.28
CIELCh	71, 1.317, 255.955
Yxy	42.1773, 0.3093, 0.3263
Android (android.graphics.Color)	4289506992 (0xFFACAEB0)
YUV	173.6300, 1.1684, -1.4295
Hunter-Lab	64.9441, -3.7503, 2.4542

Details

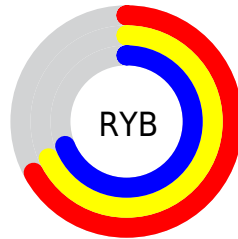
The XYZ color **39.9858, 42.1773, 47.1079** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4872, 42.4805, 45.0961**, and the grayscale version is **40.0382, 42.1233, 45.8723**.

A 20% lighter version of the original color is **74.2634, 78.1957, 87.5231**, and **18.3434, 19.3674, 21.8403** is the 20% darker color. If you saturate the color by 10%, you get **34.7335, 37.0321, 46.3922**, and if you desaturate by 10%, it is **45.8632, 47.8121, 47.8864**.

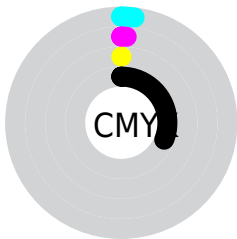
Distribution



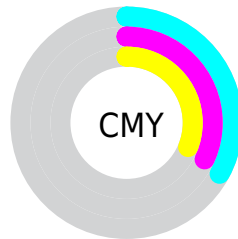
- Red (67%)
- Green (68%)
- Blue (69%)



- Red (67%)
- Yellow (68%)
- Blue (69%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9858, 42.1773, 47.1079 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 39.9858, 42.1773, 47.1079 by changing the saturation by 10% instead.

■ 39.9858, 42.1773,
47.1079

■ 39.9858, 42.1773,
47.1079

337.1992,
355.2174, 391.6513

■ 27.7116, 29.2401,
32.7660

■ 74.4264, 78.4679,
87.2263

■ 18.2477, 19.2626,
21.6776

97.3235, 102.5901,
113.8399

■ 11.2288, 11.8602,
13.4242

124.4923,
131.2095, 145.3812

■ 6.2893, 6.6485,
7.5871

156.2981,
164.7104, 182.2687

■ 3.0641, 3.2433,
3.7479

193.1064,
203.4773, 224.9209

■ 1.1878, 1.2600,
1.4881

235.2824,

■ 0.0967, 0.1099,

247.8944, 273.7563

0.2090

283.1916,
298.3464, 329.1936

■ 0.0000, 0.0000,
0.0000

■ 39.9858, 42.1773,
47.1079

■ 39.9858, 42.1773,
47.1079

■ 34.7335, 37.0321,
46.3922

■ 45.8632, 47.8121,
47.8864

■ 30.0807, 32.3566,
45.7350

■ 52.3830, 53.9448,
48.7265

■ 26.0052, 28.1372,
45.1354

■ 59.5663, 60.5905,
49.6306

■ 22.4818, 24.3578,
44.5916

■ 67.4321, 67.7620,
50.6003

■ 19.4835, 21.0009,
44.1017

■ 74.1344, 74.5102,
51.5496

■ 16.9809, 18.0478,
43.6636

■ 76.4736, 79.1886,
52.3293

■ 14.9412, 15.4779,
43.2750

■ 78.9354, 84.1123,
53.1499

■ 13.3273, 13.2683,
42.9336

■ 81.5217, 89.2849,
54.0120

■ 12.0953, 11.3923,
42.6364

■ 84.2342, 94.7098,
54.9162

Harmonies

Analogous

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



39.7952, 42.1773, 46.7992



39.9858, 42.1773, 47.1079



40.2045, 42.1773, 47.0973

Triad

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



39.9858, 42.1773, 47.1079



40.4959, 42.1773, 45.5921



39.7853, 42.1773, 45.0877

Complementary

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



39.9858, 42.1773, 47.1079



40.4872, 42.4805, 45.0961

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.



39.9722, 42.1773, 44.7702



39.9858, 42.1773, 47.1079



40.3827, 42.1773, 45.0596

Square

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



39.9858, 42.1773, 47.1079



40.4996, 42.1773, 46.2182



40.1909, 42.1773, 44.7599



39.6797, 42.1773, 45.6309

Rectangle

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



39.9858, 42.1773, 47.1079



40.3369, 42.1773, 46.9105



40.1909, 42.1773, 44.7599



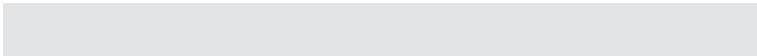
39.8407, 42.1773, 44.9513

Sweetspot

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



39.9870, 42.1791, 47.1088



73.7969, 77.7311, 85.6094



40.1728, 42.8755, 46.1695



16.0053, 16.8575, 18.5546



84.5950, 89.0005, 96.9216



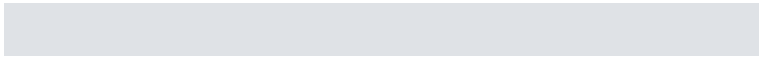
16.2198, 17.0645, 18.5832

Same Dimension

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



39.9870, 42.1791, 47.1088



71.7389, 75.7384, 85.3332



39.6157, 41.4364, 46.9850



9.0682, 9.5811, 10.8777



8.3757, 7.5517, 31.1532



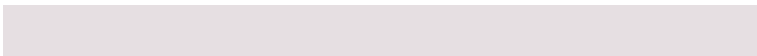
0.3219, 0.3543, 0.9997

Inverse Universe

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



40.2980, 41.7920, 45.9892



72.4938, 74.8046, 82.6140



40.8639, 43.2339, 45.2217



9.1856, 9.4366, 10.4546



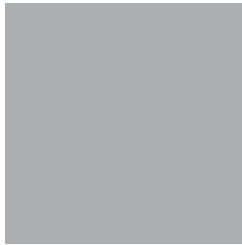
14.4623, 7.3025, 7.5944



0.4845, 0.2415, 0.3940

Previews

White Background



This preview shows how the XYZ color 39.9858, 42.1773, 47.1079 looks on a white background.

Color Contrast Check

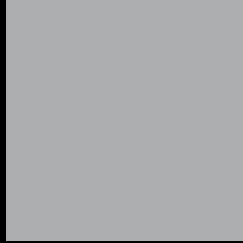
Large Text (above 18pt) WCAG AA × Fail

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 39.9858, 42.1773, 47.1079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

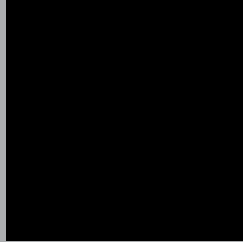
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

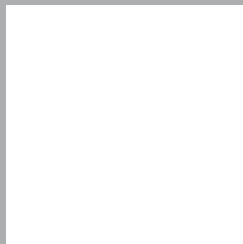
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9858, 42.1773, 47.1079

Background



This preview shows how black text looks on a background with the XYZ color 39.9858, 42.1773, 47.1079.

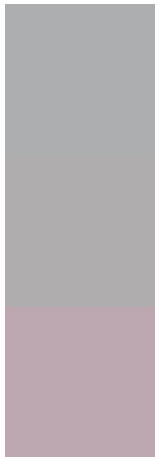


This preview shows how white text looks on a background with the XYZ color 39.9858, 42.1773,

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

39.9858, 42.1773, 47.1079

Protanopia

40.5859, 42.2124, 46.5661

Deuteranopia

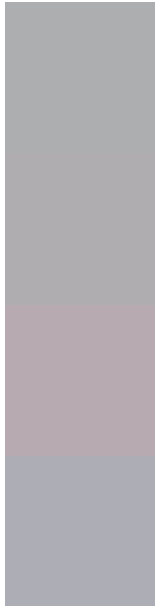
42.9247, 41.9984, 47.4391



Tritanopia

41.0710, 42.0489, 52.4059

Trichromacy



Original Color

39.9858, 42.1773, 47.1079

Protanomaly

40.3606, 42.0962, 46.5556

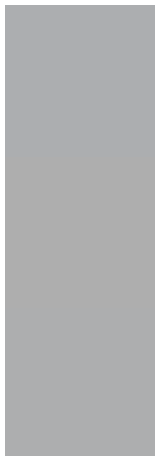
Deuteranomaly

41.8390, 41.9911, 47.4949

Tritanomaly

40.6206, 42.1488, 50.2506

Monochromacy



Original Color

39.9858, 42.1773, 47.1079

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1075, 42.2515, 46.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9858, 42.1773, 47.1079 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(172, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 176)  
}
```

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(172, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 176) }
```

Border

The CSS property to change the border of an element to XYZ 39.9858, 42.1773, 47.1079 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(172, 174, 176) }
```


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

```
.border{ border-color:rgb(172, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9858, 42.1773, 47.1079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 176) }
```

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

```
.background{ background-color: rgb(172,  
174, 176) }
```

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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