

Converting Colors

XYZ(39.9471, 41.4513, 49.2386)

Have a look what the booklet for
XYZ(39.9471, 41.4513, 49.2386)
contains.

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Color

**XYZ(40.0040, 41.5710,
49.0956)**

Conversions

Conversions Part 1

Format	Color
Hex	ACACB4
RGB	172, 172, 180
RGB Percent	67%, 67%, 71%
CMY	0.3255, 0.3255, 0.2941
CMYK	0.04, 0.04, 0.00, 0.29
HSL	240°, 5%, 69%
HSV	240°, 4%, 71%
XYZ	40.0040, 41.5710, 49.0956
YIQ	172.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

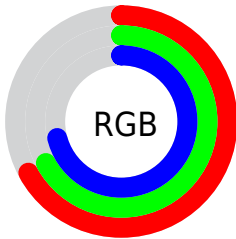
Format	Color
R_{YB}	172, 172, 180
Decimal	11316404
CIE Lab	70.57, 1.54, -4.10
CIE LCh	71, 4.379, 290.624
Yxy	41.5710, 0.3061, 0.3181
Android (android.graphics.Color)	4289506484 (0xFFACACB4)
YUV	172.9120, 3.4944, -0.7998
Hunter-Lab	64.4756, -2.0816, -0.0141

Details

The XYZ color **40.0040, 41.5710, 49.0956** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.5901, 45.3239, 45.5340**, and the grayscale version is **39.6604, 41.7258, 45.4394**.

A 20% lighter version of the original color is **74.2880, 77.3252, 90.3667**, and **18.2930, 18.9583, 22.7739** is the 20% darker color. If you saturate the color by 10%, you get **33.1223, 33.2801, 47.8586**, and if you desaturate by 10%, it is **47.8869, 51.0687, 50.5140**.

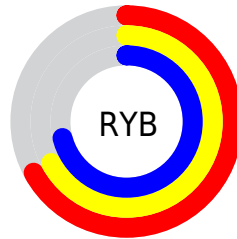
Distribution



Red (67%)

Green (67%)

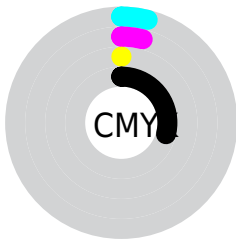
Blue (71%)



Red (67%)

Yellow (67%)

Blue (71%)

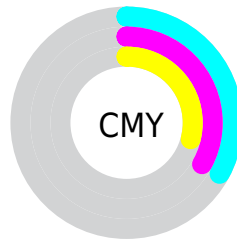


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (33%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0040, 41.5710, 49.0956 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 40.0040, 41.5710, 49.0956 by changing the saturation by 10% instead.

■ 40.0040, 41.5710,
49.0956

■ 40.0040, 41.5710,
49.0956

337.2746,
352.7015, 399.7518

■ 27.7259, 28.7655,
34.3292

■ 74.4539, 77.5499,
90.2159

■ 18.2585, 18.9035,
22.8672

97.3564, 101.4922,
117.4068

■ 11.2366, 11.6006,
14.2911

124.5311,
129.9155, 149.5764

■ 6.2946, 6.4723,
8.1823

156.3433,
163.2042, 187.1430

■ 3.0674, 3.1344,
4.1224

193.1584,
201.7428, 230.5254

■ 1.1895, 1.2023,
1.6927

235.3417,

■ 0.0981, 0.0636,

245.9156, 280.1419

0.3557

283.2587,
296.1070, 336.4112

■ 0.0000, 0.0000,
0.0000

■ 40.0040, 41.5710,
49.0956

■ 40.0040, 41.5710,
49.0956

■ 33.1223, 33.2801,
47.8586

■ 47.8869, 51.0687,
50.5140

■ 27.1984, 26.1427,
46.7932

■ 56.8050, 61.8131,
52.1178

■ 22.1908, 20.1093,
45.8926

■ 66.7952, 73.8491,
53.9145

■ 18.0540, 15.1247,
45.1485

■ 77.8915, 87.2175,
55.9100

■ 14.7381, 11.1292,
44.5520

■ 85.2383, 96.0753,
57.2325

■ 12.1885, 8.0569,
44.0934

■ 10.3440, 5.8340,
43.7615

■ 9.1338, 4.3753,
43.5438

■ 8.4727, 3.5783,
43.4248

Harmonies

Analogous

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



39.2858, 41.5710, 49.3093



40.0040, 41.5710, 49.0956



40.5971, 41.5710, 47.8385

Triad

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



40.0040, 41.5710, 49.0956



40.4011, 41.5710, 42.2535



38.1554, 41.5710, 44.6179

Complementary

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



40.0040, 41.5710, 49.0956



42.5901, 45.3239, 45.5340

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.



38.4464, 41.5710, 42.7831



40.0040, 41.5710, 49.0956



39.7390, 41.5710, 41.4458

Square

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



40.0040, 41.5710, 49.0956



40.8282, 41.5710, 43.8749



39.0240, 41.5710, 41.6367



38.2243, 41.5710, 46.6816

Rectangle

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



40.0040, 41.5710, 49.0956



40.8388, 41.5710, 46.5983



39.0240, 41.5710, 41.6367



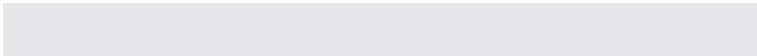
38.2142, 41.5710, 43.9549

Sweetspot

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



40.0052, 41.5728, 49.0965



77.2273, 81.0302, 89.8647



41.5598, 44.7037, 49.5477



16.7080, 17.5333, 19.4259



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.



40.0052, 41.5728, 49.0965



71.6831, 74.3505, 88.8676



40.8658, 42.0156, 49.1366



8.6228, 8.9301, 10.7755



5.7504, 2.3011, 30.2781



0.1810, 0.0726, 0.9527

Inverse Universe

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



41.0222, 42.1877, 45.0128



73.7843, 75.6210, 80.4306



41.7030, 44.8674, 45.4927



8.9022, 9.0991, 9.6534



13.1372, 6.7724, 0.6164



0.4134, 0.2131, 0.0196

Previews

White Background



This preview shows how the XYZ color 40.0040, 41.5710, 49.0956 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 40.0040, 41.5710, 49.0956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

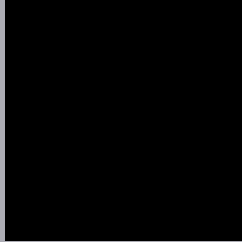
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0040, 41.5710, 49.0956

Background



This preview shows how black text looks on a background with the XYZ color 40.0040, 41.5710, 49.0956.

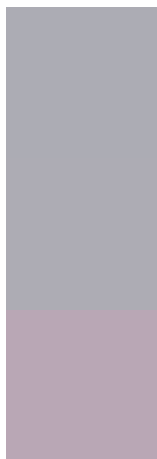


This preview shows how white text looks on a background with the XYZ color 40.0040, 41.5710,

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

40.0040, 41.5710, 49.0956

Protanopia

40.2243, 41.6846, 49.1059

Deuteranopia

42.1668, 41.2879, 49.4630



Tritanopia

40.5534, 41.5128, 51.7743

Trichromacy



Original Color

40.0040, 41.5710, 49.0956

Protanomaly

40.2243, 41.6846, 49.1059

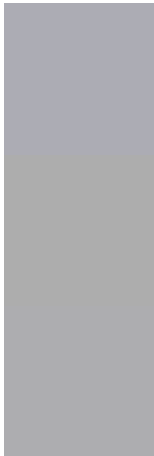
Deuteranomaly

41.3508, 41.4154, 49.5306

Tritanomaly

40.3437, 41.4290, 50.6700

Monochromacy



Original Color

40.0040, 41.5710, 49.0956

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.0136, 41.9060, 47.0540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0040, 41.5710, 49.0956 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, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 180)  
}
```

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, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.0040, 41.5710, 49.0956 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, 172, 180) }
```


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

```
.border{ border-color:rgb(172, 172, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0040, 41.5710, 49.0956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 180) }
```

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

```
.background{ background-color: rgb(172,  
172, 180) }
```

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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