

Converting Colors

XYZ(38.9801, 41.1283, 44.8934)

Have a look what the booklet for
XYZ(38.9801, 41.1283, 44.8934)
contains.

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Color

**XYZ(38.9935, 41.1415,
44.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	ABACAC
RGB	171, 172, 172
RGB Percent	67%, 67%, 67%
CMY	0.3294, 0.3255, 0.3255
CMYK	0.01, 0.00, 0.00, 0.33
HSL	180°, 1%, 67%
HSV	180°, 1%, 67%
XYZ	38.9935, 41.1415, 44.9157
YIQ	171.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
RYB	171, 172, 172
Decimal	11250860
CIELab	70.27, -0.35, -0.13
CIELCh	70, 0.374, 200.709
Yxy	41.1415, 0.3118, 0.3290
Android (android.graphics.Color)	4289440940 (0xFFABACAC)
YUV	171.7010, 0.1474, -0.6148
Hunter-Lab	64.1416, -3.7327, 3.3808

Details

The XYZ color **38.9935, 41.1415, 44.9157** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9283, 40.8378, 44.3608**, and the grayscale version is **39.0620, 41.0963, 44.7539**.

A 20% lighter version of the original color is **72.6982, 76.6530, 83.6369**, and **17.7144, 18.7109, 20.4472** is the 20% darker color. If you saturate the color by 10%, you get **35.4838, 39.3339, 44.7287**, and if you desaturate by 10%, it is **42.9931, 43.2040, 45.1273**.

Distribution



Red (67%)

Green (67%)

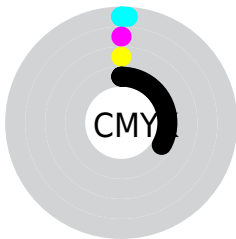
Blue (67%)



Red (67%)

Yellow (67%)

Blue (67%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9935, 41.1415, 44.9157 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 38.9935, 41.1415, 44.9157 by changing the saturation by 10% instead.

■ 38.9935, 41.1415,
44.9157

■ 38.9935, 41.1415,
44.9157

333.0705,
350.9117, 382.5822

■ 26.9354, 28.4297,
31.0486

■ 72.9225, 76.8986,
83.9110

■ 17.6610, 18.6498,
20.3771

95.5241, 100.7128,
109.8763

■ 10.8051, 11.4175,
12.4826

122.3709,
128.9964, 140.7113

■ 6.0023, 6.3484,
6.9468

153.8283,
162.1340, 176.8347

■ 2.8871, 3.0581,
3.3509

190.2616,
200.5099, 218.6649

■ 1.0944, 1.1621,
1.2765

232.0361,

■ 0.0204, 0.0304,

244.5086, 266.6205

0.0424

279.5173,
294.5144, 321.1201

■ 0.0000, 0.0000,
0.0000

■ 38.9935, 41.1415,
44.9157

■ 38.9935, 41.1415,
44.9157

■ 35.4838, 39.3339,
44.7287

■ 42.9931, 43.2040,
45.1273

■ 32.4419, 37.7662,
44.5628

■ 47.4967, 45.5252,
45.3616

■ 29.8490, 36.4301,
44.4179

■ 52.5224, 48.1155,
45.6204

■ 27.6839, 35.3144,
44.2931

■ 58.0862, 50.9832,
45.9044

■ 25.9235, 34.4074,
44.1872

■ 63.4624, 53.7542,
46.1796

■ 24.5426, 33.6961,
44.0990

■ 63.4669, 53.7560,
46.2034

■ 23.5133, 33.1660,
44.0274

■ 63.4715, 53.7579,
46.2272

■ 22.8038, 32.8007,
43.9707

■ 63.4760, 53.7597,
46.2511

■ 22.3763, 32.5809,
43.9272

■ 63.4805, 53.7615,
46.2749

Harmonies

Analogous

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



38.9874, 41.1415, 44.7416



38.9935, 41.1415, 44.9157



39.0291, 41.1415, 45.0581

Triad

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



38.9935, 41.1415, 44.9157



39.1951, 41.1415, 45.0104



39.1228, 41.1415, 44.4634

Complementary

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



38.9935, 41.1415, 44.9157



38.9283, 40.8378, 44.3608

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.



39.1785, 41.1415, 44.5351



38.9935, 41.1415, 44.9157



39.2203, 41.1415, 44.8507

Square

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



38.9935, 41.1415, 44.9157



39.1455, 41.1415, 45.1129



39.2142, 41.1415, 44.6767



39.0621, 41.1415, 44.4808

Rectangle

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



38.9935, 41.1415, 44.9157



39.0648, 41.1415, 45.1158



39.2142, 41.1415, 44.6767



39.1428, 41.1415, 44.4779

Sweetspot

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



38.9947, 41.1433, 44.9166



71.1368, 74.8414, 81.5023



38.9026, 41.1069, 44.4127



15.4596, 16.2647, 17.7123



82.5889, 86.8899, 94.6231

Same Dimension

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



38.9947, 41.1433, 44.9166



70.4433, 74.4840, 81.4655



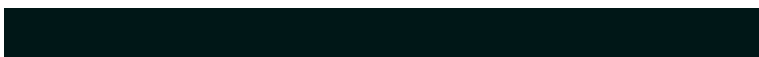
38.9028, 40.9592, 44.8873



8.9143, 9.4216, 10.3009



16.4865, 24.1599, 32.6650



0.4589, 0.6722, 0.9103

Inverse Universe

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



38.9283, 40.8378, 44.3608



70.2339, 73.5194, 79.7102



39.0198, 41.0212, 44.3900



8.8901, 9.3100, 10.0978



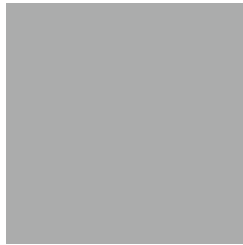
12.6629, 6.5277, 0.6044



0.3525, 0.1817, 0.0183

Previews

White Background



This preview shows how the XYZ color 38.9935, 41.1415, 44.9157 looks on a white background.

Color Contrast Check

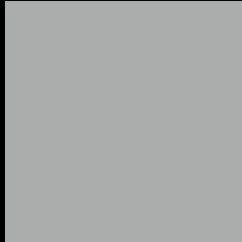
Large Text (above 18pt) WCAG AA × Fail

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 38.9935, 41.1415, 44.9157 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 38.9935, 41.1415, 44.9157

Background



This preview shows how black text looks on a background with the XYZ color 38.9935, 41.1415, 44.9157.



This preview shows how white text looks on a background with the XYZ color 38.9935, 41.1415,

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

38.9935, 41.1415, 44.9157

Protanopia

39.5928, 41.1801, 44.3899

Deuteranopia

41.9181, 40.9809, 45.2360



Tritanopia

40.2600, 41.0944, 51.1575

Trichromacy



Original Color

38.9935, 41.1415, 44.9157

Protanomaly

39.3692, 41.0648, 44.3794

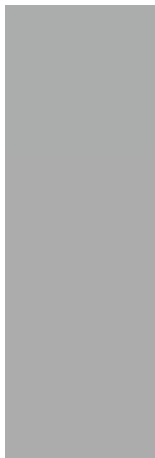
Deuteranomaly

40.8369, 40.9675, 45.2903

Tritanomaly

39.8144, 41.1918, 49.0324

Monochromacy



Original Color

38.9935, 41.1415, 44.9157

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.2122, 41.2543, 44.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9935, 41.1415, 44.9157 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(171, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 172)  
}
```

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(171, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.9935, 41.1415, 44.9157 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(171, 172, 172) }
```

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

```
.border{ border-color:rgb(171, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
172) }
```


Background

The CSS property to change the background color of an element to XYZ 38.9935, 41.1415, 44.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 172) }
```

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

```
.background{ background-color: rgb(171,  
172, 172) }
```

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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