

Converting Colors

XYZ(40.1972, 41.4988, 44.0231)

Have a look what the booklet for
XYZ(40.1972, 41.4988, 44.0231)
contains.

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Color

**XYZ(40.1787, 41.4931,
43.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	B2ABAA
RGB	178, 171, 170
RGB Percent	70%, 67%, 67%
CMY	0.3020, 0.3294, 0.3333
CMYK	0.00, 0.04, 0.04, 0.30
HSL	8°, 5%, 68%
HSV	8°, 4%, 70%
XYZ	40.1787, 41.4931, 43.9215
YIQ	172.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

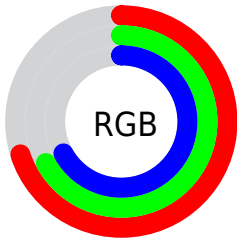
Format	Color
RYB	178, 171, 170
Decimal	11709354
CIELab	70.52, 2.32, 1.40
CIELCh	71, 2.708, 31.049
Yxy	41.4931, 0.3199, 0.3304
Android (android.graphics.Color)	4289899434 (0xFFB2ABAA)
YUV	172.9790, -1.4686, 4.4034
Hunter-Lab	64.4151, -1.3878, 4.6637

Details

The XYZ color **40.1787, 41.4931, 43.9215** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.3355, 43.2039, 48.3333**, and the grayscale version is **39.7164, 41.7848, 45.5036**.

A 20% lighter version of the original color is **74.7186, 77.3214, 82.2206**, and **18.3243, 18.8616, 19.8144** is the 20% darker color. If you saturate the color by 10%, you get **35.8384, 35.3270, 34.7221**, and if you desaturate by 10%, it is **45.0957, 48.4468, 54.4391**.

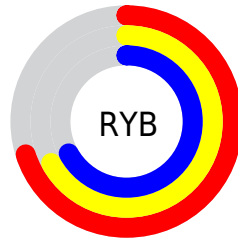
Distribution



Red (70%)

Green (67%)

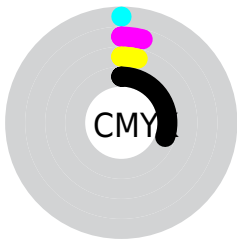
Blue (67%)



Red (70%)

Yellow (67%)

Blue (67%)

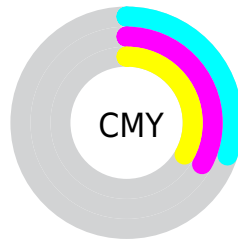


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1787, 41.4931, 43.9215 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 40.1787, 41.4931, 43.9215 by changing the saturation by 10% instead.

■ 40.1787, 41.4931,
43.9215

■ 40.1787, 41.4931,
43.9215

337.9977,
352.3773, 378.4198

■ 27.8627, 28.7046,
30.2721

■ 74.7182, 77.4319,
82.4008

■ 18.3621, 18.8575,
19.7914

97.6724, 101.3509,
108.0678

■ 11.3116, 11.5673,
12.0609

124.9034,
129.7489, 138.5777

■ 6.3456, 6.4498,
6.6621

156.7765,
163.0103, 174.3490

■ 3.0990, 3.1205,
3.1765

193.6572,
201.5194, 215.8004

■ 1.2063, 1.1949,
1.1854

235.9107,

■ 0.1114, 0.0576,

245.6607, 263.3503

0.0000

283.9024,
295.8186, 317.4172

■ 0.0000, 0.0000,
0.0000

■ 40.1787, 41.4931,
43.9215

■ 40.1787, 41.4931,
43.9215

■ 35.8384, 35.3270,
34.7221

■ 45.0957, 48.4468,
54.4391

■ 32.0504, 29.9154,
26.7862

■ 50.6059, 56.2087,
66.3211

■ 28.7932, 25.2310,
20.0593

■ 56.7295, 64.8058,
79.6150

■ 26.0432, 21.2426,
14.4821

■ 63.4846, 74.2619,
94.3650

■ 23.7744, 17.9170,
9.9900

■ 70.2376, 84.3396,
107.1850

■ 21.9590, 15.2180,
6.5121

■ 72.1703, 88.2051,
107.8292

■ 20.5660, 13.1062,
3.9690

■ 19.5603, 11.5373,
2.2697

■ 18.9012, 10.4610,
1.3044

Harmonies

Analogous

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



40.3033, 41.4931, 45.1339



40.1787, 41.4931, 43.9215



39.8553, 41.4931, 43.0596

Triad

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



40.1787, 41.4931, 43.9215



38.6908, 41.4931, 43.9982



39.4537, 41.4931, 47.6844

Complementary

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



40.1787, 41.4931, 43.9215



40.3355, 43.2039, 48.3333

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.



39.0235, 41.4931, 47.3667



40.1787, 41.4931, 43.9215



38.5850, 41.4931, 45.2240

Square

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



40.1787, 41.4931, 43.9215



38.9964, 41.4931, 43.1032



38.7064, 41.4931, 46.4601



39.8828, 41.4931, 47.3202

Rectangle

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



40.1787, 41.4931, 43.9215



39.5718, 41.4931, 42.7913



38.7064, 41.4931, 46.4601



39.3044, 41.4931, 47.6537

Sweetspot

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



40.1799, 41.4949, 43.9224



75.8424, 79.4672, 86.0053



40.6778, 41.3920, 47.4758



16.8133, 17.6207, 19.0767



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.



40.1799, 41.4949, 43.9224



72.3680, 74.5460, 78.5959



40.9333, 43.0018, 44.1735



8.9545, 9.2036, 9.6705



13.3729, 7.2444, 0.6935



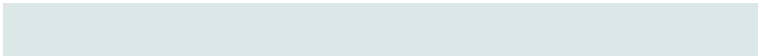
0.4481, 0.2825, 0.0309

Inverse Universe

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



40.3355, 43.2039, 48.3333



72.6861, 78.0399, 87.6134



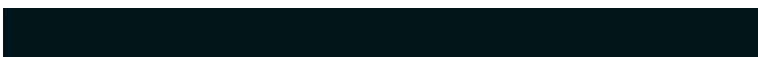
39.5704, 41.6737, 48.0782



8.9979, 9.6802, 10.9006



14.2489, 19.2982, 33.1109



0.4736, 0.6578, 1.0502

Previews

White Background



This preview shows how the XYZ color 40.1787, 41.4931, 43.9215 looks on a white background.

Color Contrast Check

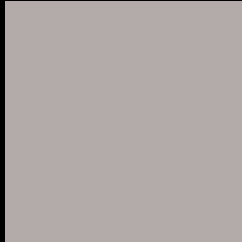
Large Text (above 18pt) WCAG AA × Fail

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 40.1787, 41.4931, 43.9215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

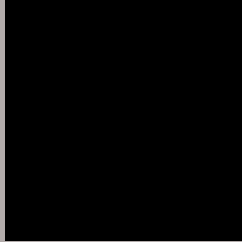
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1787, 41.4931, 43.9215

Background



This preview shows how black text looks on a background with the XYZ color 40.1787, 41.4931, 43.9215.



This preview shows how white text looks on a background with the XYZ color 40.1787, 41.4931,

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

40.1787, 41.4931, 43.9215

Protanopia

39.9127, 41.6374, 43.9634

Deuteranopia

42.4046, 41.5249, 44.3082



Tritanopia

41.4539, 41.4566, 50.0730

Trichromacy



Original Color

40.1787, 41.4931, 43.9215

Protanomaly

40.1397, 41.7544, 43.9740

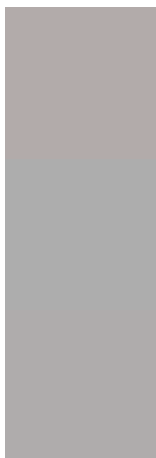
Deuteranomaly

41.6030, 41.3846, 44.3234

Tritanomaly

41.0010, 41.5475, 47.9780

Monochromacy



Original Color

40.1787, 41.4931, 43.9215

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8781, 41.5976, 44.9571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1787, 41.4931, 43.9215 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(178, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 170)  
}
```

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(178, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 170) }
```

Border

The CSS property to change the border of an element to XYZ 40.1787, 41.4931, 43.9215 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(178, 171, 170) }
```


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

```
.border{ border-color:rgb(178, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1787, 41.4931, 43.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 170) }
```

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

```
.background{ background-color: rgb(178,  
171, 170) }
```

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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