

Converting Colors

XYZ(38.9306, 40.9899, 44.3929)

Have a look what the booklet for
XYZ(38.9306, 40.9899, 44.3929)
contains.

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Color

**XYZ(39.1165, 41.2160,
44.4219)**

Conversions

Conversions Part 1

Format	Color
Hex	ACACAB
RGB	172, 172, 171
RGB Percent	67%, 67%, 67%
CMY	0.3255, 0.3255, 0.3294
CMYK	0.00, 0.00, 0.01, 0.33
HSL	60°, 1%, 67%
HSV	60°, 1%, 67%
XYZ	39.1165, 41.2160, 44.4219
YIQ	171.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
RYB	171, 172, 171
Decimal	11316395
CIELab	70.33, -0.18, 0.51
CIELCh	70, 0.538, 110.012
Yxy	41.2160, 0.3135, 0.3304
Android (android.graphics.Color)	4289506475 (0xFFACACAB)
YUV	171.8860, -0.4368, 0.1000
Hunter-Lab	64.1997, -3.5904, 3.9151

Details

The XYZ color **39.1165, 41.2160, 44.4219** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8054, 40.7634, 44.8547**, and the grayscale version is **39.1581, 41.1973, 44.8639**.

A 20% lighter version of the original color is **72.8751, 76.7601, 82.9267**, and **17.7920, 18.7579, 20.1357** is the 20% darker color. If you saturate the color by 10%, you get **37.5719, 40.5982, 36.3409**, and if you desaturate by 10%, it is **40.8768, 41.9227, 53.6285**.

Distribution



Red (67%)

Green (67%)

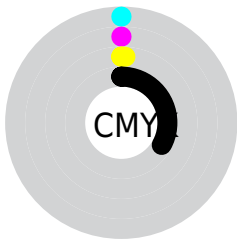
Blue (67%)



Red (67%)

Yellow (67%)

Blue (67%)



Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1165, 41.2160, 44.4219 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 39.1165, 41.2160, 44.4219 by changing the saturation by 10% instead.

■ 39.1165, 41.2160,
44.4219

■ 39.1165, 41.2160,
44.4219

333.5842,
351.2226, 380.5188

■ 27.0315, 28.4879,
30.6627

■ 73.1092, 77.0117,
83.1615

■ 17.7336, 18.6938,
20.0858

95.7476, 100.8481,
108.9789

■ 10.8574, 11.4492,
12.2728

122.6345,
129.1560, 139.6528

■ 6.0376, 6.3698,
6.8049

154.1353,
162.3198, 175.6018

■ 2.9088, 3.0712,
3.2638

190.6153,
200.7240, 217.2443

■ 1.1057, 1.1690,
1.2309

232.4399,

■ 0.0299, 0.0362,

244.7530, 264.9990

0.0041

279.9744,
294.7910, 319.2843

■ 0.0000, 0.0000,
0.0000

■ 39.1165, 41.2160,
44.4219

■ 39.1165, 41.2160,
44.4219

■ 37.5719, 40.5982,
36.3409

■ 40.8768, 41.9227,
53.6285

■ 36.2314, 40.0607,
29.3398

■ 42.8571, 42.7161,
63.9986

■ 35.0874, 39.6018,
23.3736

■ 45.0659, 43.6009,
75.5720

■ 34.1307, 39.2179,
18.3932

■ 47.5102, 44.5799,
88.3854

■ 33.3511, 38.9047,
14.3457

■ 49.8724, 45.5261,
100.7666

■ 32.7376, 38.6581,
11.1730

■ 49.8835, 45.5318,
100.7671

■ 32.2780, 38.4729,
8.8105

■ 49.8947, 45.5376,
100.7676

■ 31.9583, 38.3438,
7.1849

■ 49.9058, 45.5433,
100.7682

■ 31.7621, 38.2640,
6.2096

■ 49.9169, 45.5490,
100.7687

Harmonies

Analogous

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



39.2040, 41.2160, 44.4001



39.1165, 41.2160, 44.4219



39.0446, 41.2160, 44.5655

Triad

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



39.1165, 41.2160, 44.4219



39.0656, 41.2160, 45.2508



39.3420, 41.2160, 44.9616

Complementary

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



39.1165, 41.2160, 44.4219



38.8054, 40.7634, 44.8547

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.



39.3048, 41.2160, 45.1904



39.1165, 41.2160, 44.4219



39.1451, 41.2160, 45.3578

Square

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



39.1165, 41.2160, 44.4219



39.0153, 41.2160, 45.0438



39.2327, 41.2160, 45.3356



39.3343, 41.2160, 44.7110

Rectangle

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



39.1165, 41.2160, 44.4219



39.0152, 41.2160, 44.7112



39.2327, 41.2160, 45.3356



39.3343, 41.2160, 45.0436

Sweetspot

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



39.1177, 41.2178, 44.4228



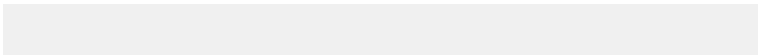
71.1368, 74.8414, 81.5023



38.9281, 40.8377, 44.3594



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.



39.1177, 41.2178, 44.4228



70.8316, 74.7191, 79.9059



39.0084, 41.1615, 44.4177



8.9592, 9.4488, 10.1205



23.5574, 28.4414, 4.2481



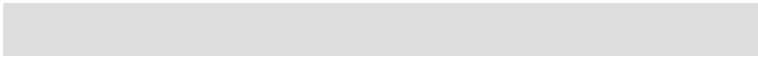
0.6561, 0.7916, 0.1182

Inverse Universe

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



38.8054, 40.7634, 44.8547



69.8456, 73.2843, 81.2698



38.9143, 40.8195, 44.8598



8.8452, 9.2828, 10.2783



5.5469, 2.2194, 29.1805



0.1550, 0.0621, 0.8118

Previews

White Background



This preview shows how the XYZ color 39.1165, 41.2160, 44.4219 looks on a white background.

Color Contrast Check

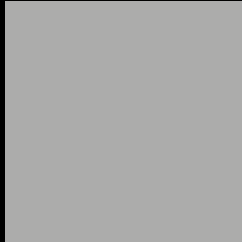
Large Text (above 18pt) WCAG AA × Fail

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 39.1165, 41.2160, 44.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

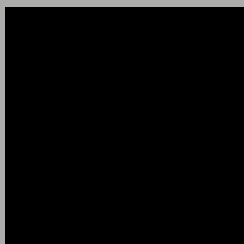
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

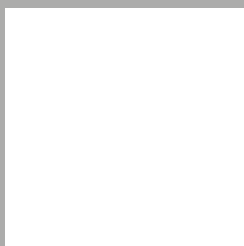
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1165, 41.2160, 44.4219

Background



This preview shows how black text looks on a background with the XYZ color 39.1165, 41.2160, 44.4219.

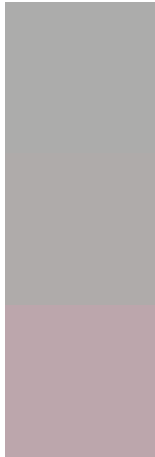


This preview shows how white text looks on a background with the XYZ color 39.1165, 41.2160,

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

39.1165, 41.2160, 44.4219

Protanopia

39.4978, 41.1421, 43.8897

Deuteranopia

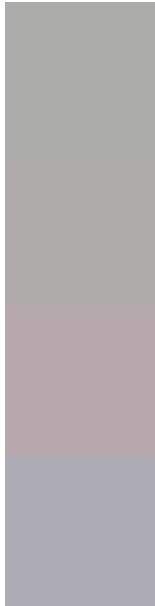
41.8216, 40.9424, 44.7282



Tritanopia

40.4820, 41.2088, 51.1679

Trichromacy



Original Color

39.1165, 41.2160, 44.4219

Protanomaly

39.2742, 41.0268, 43.8792

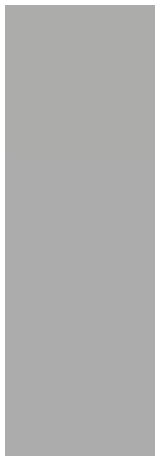
Deuteranomaly

40.7404, 40.9289, 44.7825

Tritanomaly

39.9332, 41.2647, 48.5080

Monochromacy



Original Color

39.1165, 41.2160, 44.4219

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 39.1165, 41.2160, 44.4219 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, 171)` looks like.

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

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 39.1165, 41.2160, 44.4219 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, 171) }
```

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

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

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, 171)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 39.1165, 41.2160, 44.4219 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, 171) }
```

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

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

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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