

Converting Colors

XYZ(36.9089, 37.9652, 40.5139)

Have a look what the booklet for
XYZ(36.9089, 37.9652, 40.5139)
contains.

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Color

**XYZ(36.9896, 38.0019,
40.5075)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA4A4
RGB	172, 164, 164
RGB Percent	67%, 64%, 64%
CMY	0.3255, 0.3568, 0.3569
CMYK	0.00, 0.05, 0.05, 0.33
HSL	0°, 5%, 66%
HSV	0°, 5%, 67%
XYZ	36.9896, 38.0019, 40.5075
YIQ	166.3920, 4.7680, 1.6960

Conversions

Conversions Part 2

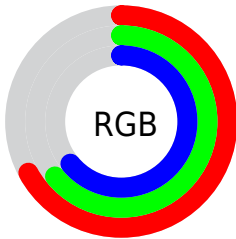
Format	Color
R_{YB}	172, 164, 164
Decimal	11314340
CIE Lab	68.02, 2.88, 1.02
CIE LCh	68, 3.060, 19.521
Yxy	38.0019, 0.3203, 0.3290
Android (android.graphics.Color)	4289504420 (0xFFACA4A4)
YUV	166.3920, -1.1793, 4.9182
Hunter-Lab	61.6457, -0.7736, 4.1924

Details

The XYZ color **36.9896, 38.0019, 40.5075** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5088, 40.3757, 44.8467**, and the grayscale version is **36.4400, 38.3377, 41.7498**.

A 20% lighter version of the original color is **69.7963, 72.1084, 77.2575**, and **16.4645, 16.7513, 17.6948** is the 20% darker color. If you saturate the color by 10%, you get **32.6686, 31.6796, 31.9149**, and if you desaturate by 10%, it is **41.9389, 45.2436, 50.3469**.

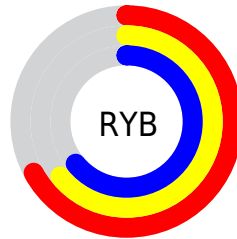
Distribution



Red (67%)

Green (64%)

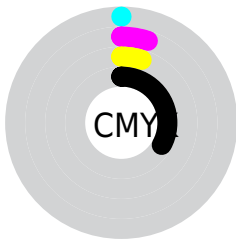
Blue (64%)



Red (67%)

Yellow (64%)

Blue (64%)

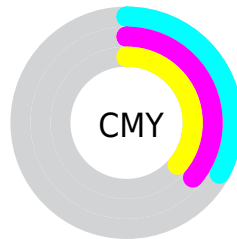


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9896, 38.0019, 40.5075 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 36.9896, 38.0019, 40.5075 by changing the saturation by 10% instead.

■ 36.9896, 38.0019,
40.5075

■ 36.9896, 38.0019,
40.5075

324.6218,
337.6281, 363.8735

■ 25.3731, 25.9842,
27.6177

■ 69.8707, 72.1111,
77.1812

■ 16.4854, 16.8118,
17.8011

■ 91.8660, 94.9713,
101.8022

■ 9.9613, 10.1004,
10.6393

118.0517,
122.2144, 131.1706

■ 5.4354, 5.4656,
5.7138

148.7929,
154.2249, 165.7050

■ 2.5423, 2.5229,
2.6059

184.4552,
191.3871, 205.8240

■ 0.9166, 0.8881,
0.8955

225.4039,

■ 0.0000, 0.0000,

234.0855, 251.9460

0.0000

272.0043,
282.7043, 304.4897

■ 36.9896, 38.0019,
40.5075

■ 36.9896, 38.0019,
40.5075

■ 32.6686, 31.6796,
31.9149

■ 41.9389, 45.2436,
50.3469

■ 28.9477, 26.2352,
24.5171

■ 47.5367, 53.4341,
61.4775

■ 25.8014, 21.6313,
18.2619

■ 53.8066, 62.6079,
73.9446

■ 23.2010, 17.8263,
13.0924

■ 60.7698, 72.7959,
87.7905

■ 21.1155, 14.7745,
8.9467

■ 68.4466, 84.0279,
103.0555

■ 19.5107, 12.4261,
5.7569

■ 70.8235, 87.5108,
107.7662

■ 18.3482, 10.7248,
3.4467

■ 17.5840, 9.6062,
1.9283

■ 17.1644, 8.9920,
1.0951

Harmonies

Analogous

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



37.0276, 38.0019, 41.8564



36.9896, 38.0019, 40.5075



36.7174, 38.0019, 39.4148

Triad

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



36.9896, 38.0019, 40.5075



35.4276, 38.0019, 39.6984



35.9534, 38.0019, 44.0102

Complementary

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



36.9896, 38.0019, 40.5075



37.5088, 40.3757, 44.8467

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.



35.5285, 38.0019, 43.4046



36.9896, 38.0019, 40.5075



35.2267, 38.0019, 40.9025

Square

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



36.9896, 38.0019, 40.5075



35.8146, 38.0019, 38.9548



35.2635, 38.0019, 42.2601



36.4265, 38.0019, 43.8988

Rectangle

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



36.9896, 38.0019, 40.5075



36.4410, 38.0019, 38.9692



35.2635, 38.0019, 42.2601



35.8002, 38.0019, 43.8832

Sweetspot

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



36.9907, 38.0036, 40.5083



70.2333, 73.5195, 79.7059



37.7357, 38.3007, 44.4343



15.2741, 15.9933, 17.3434



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.9907, 38.0036, 40.5083



65.8940, 67.1704, 71.0781



37.7173, 39.4569, 40.7505



8.2892, 8.4309, 8.9027



12.6612, 6.5280, 0.5927



0.3523, 0.1817, 0.0165

Inverse Universe

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



37.5088, 40.3757, 44.8467



67.1165, 72.7669, 81.3138



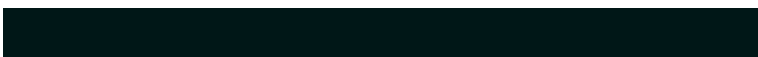
36.7595, 38.8770, 44.5969



8.4536, 9.1839, 10.2798



16.5110, 24.1558, 32.8368



0.4594, 0.6721, 0.9135

Previews

White Background



This preview shows how the XYZ color 36.9896, 38.0019, 40.5075 looks on a white background.

Color Contrast Check

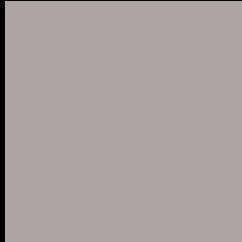
Large Text (above 18pt) WCAG AA × Fail

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 36.9896, 38.0019, 40.5075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

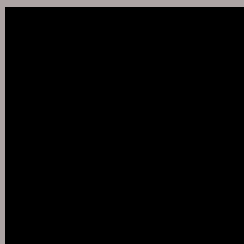
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

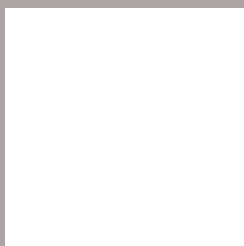
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9896, 38.0019, 40.5075

Background



This preview shows how black text looks on a background with the XYZ color 36.9896, 38.0019, 40.5075.

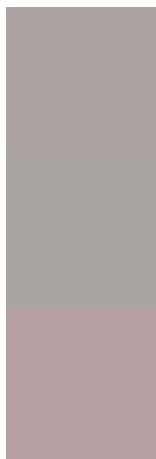


This preview shows how white text looks on a background with the XYZ color 36.9896, 38.0019,

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

36.9896, 38.0019, 40.5075

Protanopia

36.6089, 38.0619, 41.0145

Deuteranopia

38.6537, 37.8033, 40.8568



Tritanopia

38.1138, 37.9345, 45.8707

Trichromacy



Original Color

36.9896, 38.0019, 40.5075

Protanomaly

36.8242, 38.1729, 41.0246

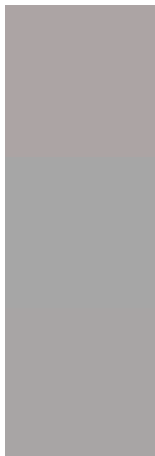
Deuteranomaly

37.8965, 37.6713, 40.8712

Tritanomaly

37.6815, 38.0189, 43.8804

Monochromacy



Original Color

36.9896, 38.0019, 40.5075

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3951, 37.9517, 41.0045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9896, 38.0019, 40.5075 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, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(172, 164, 164)  
}
```

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, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 164, 164) }
```

Border

The CSS property to change the border of an element to XYZ 36.9896, 38.0019, 40.5075 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, 164, 164) }
```


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

```
.border{ border-color:rgb(172, 164, 164) }
```

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

Here you see how a box with a 4 pixel rgb(172, 164, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(172, 164,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9896, 38.0019, 40.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 164, 164) }
```

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

```
.background{ background-color: rgb(172,  
164, 164) }
```

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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