

Converting Colors

XYZ(37.7351, 39.4026, 38.8746)

Have a look what the booklet for
XYZ(37.7351, 39.4026, 38.8746)
contains.

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Color

**XYZ(37.8034, 39.5420,
38.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA8A0
RGB	174, 168, 160
RGB Percent	68%, 66%, 63%
CMY	0.3176, 0.3412, 0.3725
CMYK	0.00, 0.03, 0.08, 0.32
HSL	34°, 8%, 65%
HSV	34°, 8%, 68%
XYZ	37.8034, 39.5420, 38.8976
YIQ	168.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

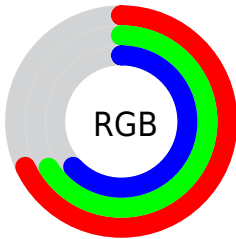
Format	Color
RYB	171, 174, 160
Decimal	11446432
CIELab	69.14, 0.71, 4.89
CIELCh	69, 4.937, 81.680
Yxy	39.5420, 0.3252, 0.3402
Android (android.graphics.Color)	4289636512 (0xFFAEA8A0)
YUV	168.8820, -4.3788, 4.4885
Hunter-Lab	62.8824, -2.7344, 7.3423

Details

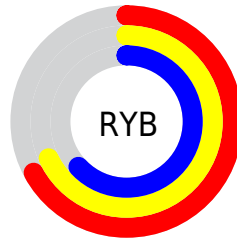
The XYZ color **37.8034, 39.5420, 38.8976** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7734, 37.8015, 45.4559**, and the grayscale version is **37.6735, 39.6355, 43.1630**.

A 20% lighter version of the original color is **70.9665, 74.3397, 74.8986**, and **17.0317, 17.7325, 16.9930** is the 20% darker color. If you saturate the color by 10%, you get **35.0501, 36.3029, 30.9883**, and if you desaturate by 10%, it is **40.8509, 43.0276, 47.9571**.

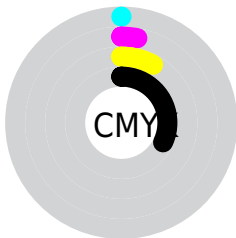
Distribution



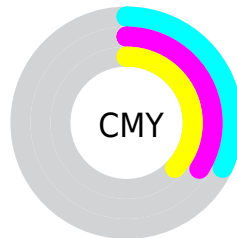
- Red (68%)
- Green (66%)
- Blue (63%)



- Red (67%)
- Yellow (68%)
- Blue (63%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (32%)



- Cyan (32%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8034, 39.5420, 38.8976 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 37.8034, 39.5420, 38.8976 by changing the saturation by 10% instead.

■ 37.8034, 39.5420,
38.8976

■ 37.8034, 39.5420,
38.8976

328.0713,
344.1894, 356.8679

■ 26.0067, 27.1816,
26.3729

■ 71.1125, 74.4656,
74.7005

■ 16.9613, 17.7097,
16.8745

■ 93.3557, 97.7976,
98.8157

■ 10.3021, 10.7418,
9.9841

119.8116,
125.5556, 127.6315

■ 5.6635, 5.8935,
5.2829

150.8457,
158.1240, 161.5664

■ 2.6803, 2.7804,
2.3526

186.8234,
195.8872, 201.0389

■ 0.9870, 1.0182,
0.7604

228.1100,

■ 0.0000, 0.0000,

239.2295, 246.4677

0.0000

275.0709,
288.5355, 298.2711

■ 37.8034, 39.5420,
38.8976

■ 37.8034, 39.5420,
38.8976

■ 35.0501, 36.3029,
30.9883

■ 40.8509, 43.0276,
47.9571

■ 32.5775, 33.2990,
24.1797

■ 44.1988, 46.7603,
58.2082

■ 30.3761, 30.5254,
18.4229

■ 47.8574, 50.7475,
69.6936

■ 28.4342, 27.9755,
13.6637

■ 51.8353, 54.9946,
82.4530

■ 26.7395, 25.6419,
9.8435

■ 56.1409, 59.5069,
96.5242

■ 25.2781, 23.5168,
6.8973

■ 59.2309, 63.6690,
103.7753

■ 24.0347, 21.5917,
4.7516

■ 61.1458, 67.4988,
104.4136

■ 22.9917, 19.8570,
3.3208

■ 63.1480, 71.5031,
105.0810

■ 22.1207, 18.2987,
2.4638

■ 65.2385, 75.6842,
105.7778

Harmonies

Analogous

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



38.5319, 39.5420, 39.7355



37.8034, 39.5420, 38.8976



37.0259, 39.5420, 39.1426

Triad

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



37.8034, 39.5420, 38.8976



36.1915, 39.5420, 44.6793



38.7861, 39.5420, 45.8046

Complementary

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



37.8034, 39.5420, 38.8976



35.7734, 37.8015, 45.4559

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.



38.1466, 39.5420, 47.2188



37.8034, 39.5420, 38.8976



36.6508, 39.5420, 46.5534

Square

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



37.8034, 39.5420, 38.8976



36.1025, 39.5420, 42.4290



37.3644, 39.5420, 47.4975



39.1044, 39.5420, 43.6862

Rectangle

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



37.8034, 39.5420, 38.8976



36.5838, 39.5420, 39.8909



37.3644, 39.5420, 47.4975



38.6012, 39.5420, 46.3812

Sweetspot

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



37.8045, 39.5437, 38.8985



71.8295, 75.4723, 80.1782



36.9160, 36.8965, 41.2851



15.9785, 16.7900, 17.8610



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.8045, 39.5437, 38.8985



67.4643, 70.4382, 67.3274



38.7301, 41.7026, 39.2664



8.3709, 8.7467, 8.4605



15.9888, 13.1830, 1.7019



0.4977, 0.4725, 0.0650

Inverse Universe

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



35.7734, 37.8015, 45.4559



62.8706, 66.4980, 82.1586



34.8959, 35.7683, 45.1098



7.8504, 8.3002, 10.1410



7.4000, 5.9338, 29.7998



0.2609, 0.2751, 0.8473

Previews

White Background



This preview shows how the XYZ color 37.8034, 39.5420, 38.8976 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 37.8034, 39.5420, 38.8976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

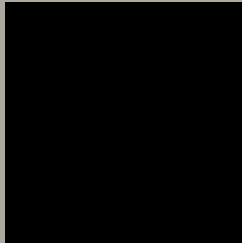
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8034, 39.5420, 38.8976

Background



This preview shows how black text looks on a background with the XYZ color 37.8034, 39.5420, 38.8976.

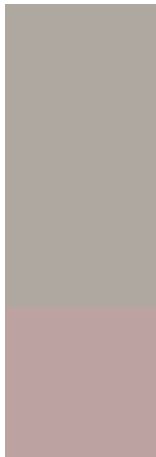


This preview shows how white text looks on a background with the XYZ color 37.8034, 39.5420,

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

37.8034, 39.5420, 38.8976

Protanopia

37.8034, 39.5420, 38.8976

Deuteranopia

40.2693, 39.4590, 39.2121



Tritanopia

39.6225, 39.4717, 47.6500

Trichromacy



Original Color

37.8034, 39.5420, 38.8976

Protanomaly

37.8034, 39.5420, 38.8976

Deuteranomaly

39.4166, 39.5508, 39.2748

Tritanomaly

38.8914, 39.4428, 44.0915

Monochromacy



Original Color

37.8034, 39.5420, 38.8976

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.8655, 39.7870, 41.7603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8034, 39.5420, 38.8976 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(174, 168, 160)` looks like.

```
.text, #text, p{  
    color:rgb(174, 168, 160)  
}
```

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(174, 168, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 168, 160) }
```

Border

The CSS property to change the border of an element to XYZ 37.8034, 39.5420, 38.8976 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(174, 168, 160) }
```


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

```
.border{ border-color:rgb(174, 168, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 168, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(174, 168,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8034, 39.5420, 38.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 168, 160) }
```

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

```
.background{ background-color: rgb(174,  
168, 160) }
```

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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