

Converting Colors

XYZ(37.9487, 39.6030, 42.8219)

Have a look what the booklet for
XYZ(37.9487, 39.6030, 42.8219)
contains.

XYZ(37.8651, 39.4903, 42.6725)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8651, 39.4903,
42.6725)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA8A8
RGB	171, 168, 168
RGB Percent	67%, 66%, 66%
CMY	0.3294, 0.3412, 0.3412
CMYK	0.00, 0.02, 0.02, 0.33
HSL	0°, 2%, 66%
HSV	0°, 2%, 67%
XYZ	37.8651, 39.4903, 42.6725
YIQ	168.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

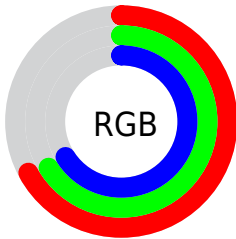
Format	Color
RYB	171, 168, 168
Decimal	11249832
CIELab	69.10, 1.07, 0.37
CIElCh	69, 1.137, 19.072
Yxy	39.4903, 0.3155, 0.3290
Android (android.graphics.Color)	4289439912 (0xFFABA8A8)
YUV	168.8970, -0.4422, 1.8443
Hunter-Lab	62.8413, -2.4169, 3.7279

Details

The XYZ color **37.8651, 39.4903, 42.6725** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0621, 40.3905, 44.3187**, and the grayscale version is **37.6636, 39.6250, 43.1516**.

A 20% lighter version of the original color is **71.0710, 74.2718, 80.4021**, and **17.0055, 17.6737, 19.0381** is the 20% darker color. If you saturate the color by 10%, you get **33.4264, 32.9966, 33.8433**, and if you desaturate by 10%, it is **42.9300, 46.9001, 52.7450**.

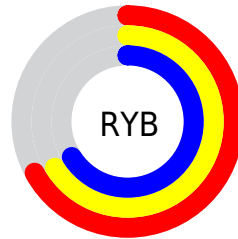
Distribution



Red (67%)

Green (66%)

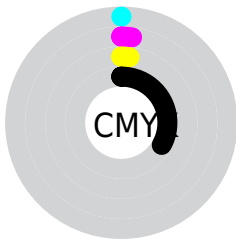
Blue (66%)



Red (67%)

Yellow (66%)

Blue (66%)

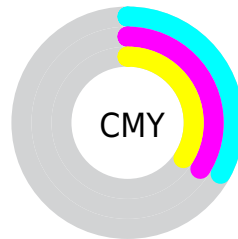


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8651, 39.4903, 42.6725 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 37.8651, 39.4903, 42.6725 by changing the saturation by 10% instead.

■ 37.8651, 39.4903,
42.6725

■ 37.8651, 39.4903,
42.6725

328.3318,
343.9706, 373.1448

■ 26.0547, 27.1414,
29.2987

■ 71.2066, 74.3867,
80.4975

■ 16.9975, 17.6794,
19.0594

■ 93.4684, 97.7030,
105.7857

■ 10.3280, 10.7201,
11.5360

119.9447,
125.4439, 135.8826

■ 5.6809, 5.8789,
6.3099

151.0009,
157.9937, 171.2066

■ 2.6908, 2.7716,
2.9626

187.0024,
195.7369, 212.1763

■ 0.9925, 1.0137,
1.0756

228.3145,

■ 0.0000, 0.0000,

239.0578, 259.2102

0.0000

275.3025,
288.3409, 312.7268

■ 37.8651, 39.4903,
42.6725

■ 37.8651, 39.4903,
42.6725

■ 33.4264, 32.9966,
33.8433

■ 42.9300, 46.9001,
52.7450

■ 29.5864, 27.3784,
26.2068

■ 48.6405, 55.2541,
64.1038

■ 26.3204, 22.6000,
19.7126

■ 55.0195, 64.5858,
76.7927

■ 23.6010, 18.6209,
14.3058

■ 62.0876, 74.9255,
90.8529

■ 21.3983, 15.3976,
9.9271

■ 69.8645, 86.3019,
106.3239

■ 19.6796, 12.8823,
6.5114

■ 70.6048, 87.3981,
107.7560

■ 18.4085, 11.0218,
3.9861

■ 17.5434, 9.7553,
2.2685

■ 17.0351, 9.0107,
1.2604

Harmonies

Analogous

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



37.8780, 39.4903, 43.1879



37.8651, 39.4903, 42.6725



37.7634, 39.4903, 42.2476

Triad

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



37.8651, 39.4903, 42.6725



37.2713, 39.4903, 42.3469



37.4682, 39.4903, 43.9869

Complementary

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



37.8651, 39.4903, 42.6725



38.0621, 40.3905, 44.3187

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.



37.3062, 39.4903, 43.7577



37.8651, 39.4903, 42.6725



37.1928, 39.4903, 42.8091

Square

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



37.8651, 39.4903, 42.6725



37.4204, 39.4903, 42.0606



37.2055, 39.4903, 43.3256



37.6485, 39.4903, 43.9496

Rectangle

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



37.8651, 39.4903, 42.6725



37.6591, 39.4903, 42.0715



37.2055, 39.4903, 43.3256



37.4098, 39.4903, 43.9384

Sweetspot

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



37.8662, 39.4920, 42.6734



68.4449, 71.6480, 77.6766



38.1485, 39.6041, 44.1624



15.2742, 15.9934, 17.3435



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.



37.8662, 39.4920, 42.6734



67.5770, 70.3782, 75.9503



38.1442, 40.0481, 42.7660



8.7868, 9.1591, 9.8920



12.6621, 6.5298, 0.5930



0.3524, 0.1820, 0.0166

Inverse Universe

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



38.0621, 40.3905, 44.3187



67.9833, 72.2417, 79.3628



37.7809, 39.8281, 44.2250



8.8351, 9.3806, 10.2977



16.4975, 24.1289, 32.8324



0.4591, 0.6716, 0.9134

Previews

White Background



This preview shows how the XYZ color 37.8651, 39.4903, 42.6725 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 37.8651, 39.4903, 42.6725 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 37.8651, 39.4903, 42.6725

Background



This preview shows how black text looks on a background with the XYZ color 37.8651, 39.4903, 42.6725.

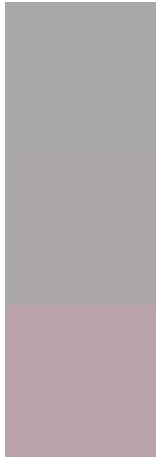


This preview shows how white text looks on a background with the XYZ color 37.8651, 39.4903,

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

37.8651, 39.4903, 42.6725

Protanopia

38.0838, 39.6031, 42.6827

Deuteranopia

40.2662, 39.3732, 43.0137



Tritanopia

39.0065, 39.4113, 48.1991

Trichromacy



Original Color

37.8651, 39.4903, 42.6725

Protanomaly

38.0838, 39.6031, 42.6827

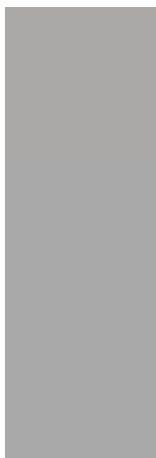
Deuteranomaly

39.4390, 39.4781, 43.0775

Tritanomaly

38.5698, 39.5032, 46.1495

Monochromacy



Original Color

37.8651, 39.4903, 42.6725

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.9270, 39.7866, 43.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8651, 39.4903, 42.6725 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, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 168)  
}
```

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, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.8651, 39.4903, 42.6725 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, 168, 168) }
```


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

```
.border{ border-color:rgb(171, 168, 168) }
```

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

Here you see how a box with a 4 pixel rgb(171, 168, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8651, 39.4903, 42.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 168) }
```

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

```
.background{ background-color: rgb(171,  
168, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor