

Converting Colors

XYZ(37.0418, 38.8559, 42.4517)

Have a look what the booklet for
XYZ(37.0418, 38.8559, 42.4517)
contains.

XYZ(37.0350, 38.7894, 42.5809)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(37.0350, 38.7894,
42.5809)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A7A8
RGB	168, 167, 168
RGB Percent	66%, 65%, 66%
CMY	0.3412, 0.3451, 0.3412
CMYK	0.00, 0.01, 0.00, 0.34
HSL	300°, 1%, 66%
HSV	300°, 1%, 66%
XYZ	37.0350, 38.7894, 42.5809
YIQ	167.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

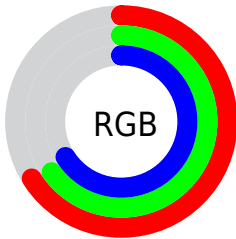
Format	Color
RYB	168, 167, 168
Decimal	11052968
CIELab	68.60, 0.55, -0.40
CIElCh	69, 0.678, 324.136
Yxy	38.7894, 0.3128, 0.3276
Android (android.graphics.Color)	4289243048 (0xFFA8A7A8)
YUV	167.4130, 0.2894, 0.5148
Hunter-Lab	62.2811, -2.8483, 3.0609

Details

The XYZ color **37.0350, 38.7894, 42.5809** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.9155, 39.0118, 42.1456**, and the grayscale version is **36.9315, 38.8548, 42.3129**.

A 20% lighter version of the original color is **69.8720, 73.2582, 80.2696**, and **16.4856, 17.2354, 18.9809** is the 20% darker color. If you saturate the color by 10%, you get **34.1548, 33.0296, 41.6215**, and if you desaturate by 10%, it is **40.3172, 45.3522, 43.6752**.

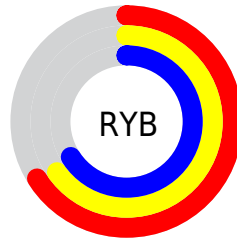
Distribution



Red (66%)

Green (65%)

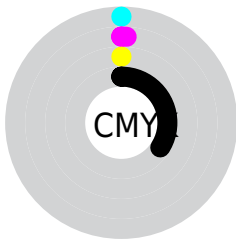
Blue (66%)



Red (66%)

Yellow (65%)

Blue (66%)

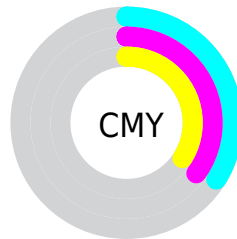


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0350, 38.7894, 42.5809 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 37.0350, 38.7894, 42.5809 by changing the saturation by 10% instead.

■ 37.0350, 38.7894,
42.5809

■ 37.0350, 38.7894,
42.5809

324.8149,
340.9943, 372.7558

■ 25.4084, 26.5959,
29.2275

■ 69.9401, 73.3165,
80.3576

■ 16.5119, 17.2700,
19.0059

■ 91.9493, 96.4189,
105.6179

■ 9.9803, 10.4272,
11.4977

118.1501,
123.9264, 135.6843

■ 5.4480, 5.6831,
6.2843

148.9078,
156.2234, 170.9753

■ 2.5499, 2.6534,
2.9471

184.5877,
193.6943, 211.9094

■ 0.9205, 0.9536,
1.0677

225.5553,

■ 0.0000, 0.0000,

236.7235, 258.9051

0.0000

272.1760,
285.6953, 312.3811

■ 37.0350, 38.7894,
42.5809

■ 37.0350, 38.7894,
42.5809

■ 34.1548, 33.0296,
41.6215

■ 40.3172, 45.3522,
43.6752

■ 31.6581, 28.0372,
40.7895

■ 44.0126, 52.7419,
44.9068

■ 29.5297, 23.7814,
40.0802

■ 48.1360, 60.9877,
46.2811

■ 27.7521, 20.2274,
39.4879

■ 52.7006, 70.1158,
47.8024

■ 26.3065, 17.3373,
39.0063

■ 57.7189, 80.1513,
49.4750

■ 25.1724, 15.0701,
38.6284

■ 58.9810, 82.6744,
49.8955

■ 24.3268, 13.3800,
38.3468

■ 58.9817, 82.6747,
49.8955

■ 23.7437, 12.2149,
38.1526

■ 58.9824, 82.6751,
49.8955

■ 23.3925, 11.5135,
38.0357

■ 58.9832, 82.6755,
49.8956

Harmonies

Analogous

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



36.9523, 38.7894, 42.7746



37.0350, 38.7894, 42.5809



37.0730, 38.7894, 42.2952

Triad

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



37.0350, 38.7894, 42.5809



36.8892, 38.7894, 41.6521



36.6809, 38.7894, 42.4762

Complementary

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



37.0350, 38.7894, 42.5809



36.9155, 39.0118, 42.1456

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.



36.6641, 38.7894, 42.1749



37.0350, 38.7894, 42.5809



36.7842, 38.7894, 41.7001

Square

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



37.0350, 38.7894, 42.5809



36.9887, 38.7894, 41.7598



36.7018, 38.7894, 41.8911



36.7479, 38.7894, 42.7140

Rectangle

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



37.0350, 38.7894, 42.5809



37.0679, 38.7894, 42.0914



36.7018, 38.7894, 41.8911



36.6692, 38.7894, 42.3790

Sweetspot

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



37.0361, 38.7911, 42.5817



67.5393, 71.0566, 77.3807



36.8277, 38.6882, 42.5729



14.7206, 15.4872, 16.8656



80.6108, 84.8088, 92.3568

Same Dimension

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



37.0361, 38.7911, 42.5817



66.9698, 69.9178, 77.1909



36.9913, 38.7732, 42.3457



8.3926, 8.7680, 9.6684



17.5266, 8.4187, 28.6767



0.4265, 0.2049, 0.6977

Inverse Universe

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



36.9436, 38.7541, 42.0945



66.6826, 69.8029, 75.6777



36.9601, 39.0296, 42.3807



8.3598, 8.7549, 9.4955



12.1948, 6.2866, 0.5716



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 37.0350, 38.7894, 42.5809 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 37.0350, 38.7894, 42.5809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

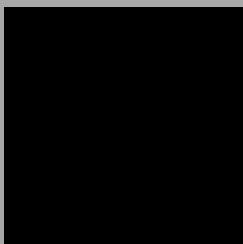
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

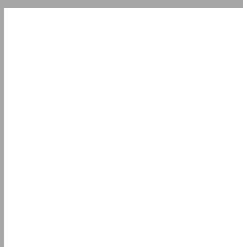
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0350, 38.7894, 42.5809

Background



This preview shows how black text looks on a background with the XYZ color 37.0350, 38.7894, 42.5809.

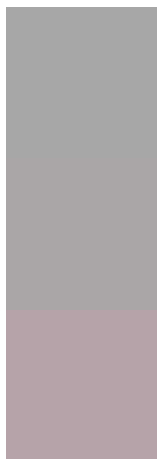


This preview shows how white text looks on a background with the XYZ color 37.0350, 38.7894,

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

37.0350, 38.7894, 42.5809

Protanopia

37.2817, 38.6456, 42.5402

Deuteranopia

39.3732, 38.6503, 42.9212



Tritanopia

38.0686, 38.6707, 47.5772

Trichromacy



Original Color

37.0350, 38.7894, 42.5809

Protanomaly

37.0663, 38.5346, 42.5301

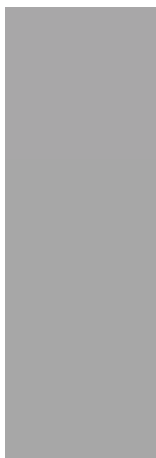
Deuteranomaly

38.5684, 38.7626, 42.9853

Tritanomaly

37.6384, 38.7634, 45.5427

Monochromacy



Original Color

37.0350, 38.7894, 42.5809

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7301, 38.6429, 42.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0350, 38.7894, 42.5809 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(168, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 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(168, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.0350, 38.7894, 42.5809 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(168, 167, 168) }
```

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

```
.border{ border-color:rgb(168, 167, 168) }
```

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

Here you see how a box with a 4 pixel rgb(168, 167, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
168) }
```


Background

The CSS property to change the background color of an element to XYZ 37.0350, 38.7894, 42.5809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 168) }
```

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

```
.background{ background-color: rgb(168,  
167, 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