

Converting Colors

XYZ(36.8681, 38.5097, 42.2026)

Have a look what the booklet for
XYZ(36.8681, 38.5097, 42.2026)
contains.

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Color

**XYZ(36.7597, 38.3873,
42.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A6A7
RGB	168, 166, 167
RGB Percent	66%, 65%, 65%
CMY	0.3412, 0.3490, 0.3451
CMYK	0.00, 0.01, 0.01, 0.34
HSL	330°, 1%, 65%
HSV	330°, 1%, 66%
XYZ	36.7597, 38.3873, 42.0313
YIQ	166.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

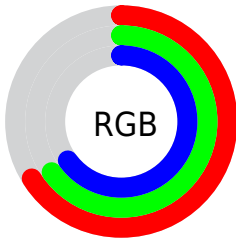
Format	Color
R_{YB}	168, 166, 167
Decimal	11052711
CIE _{Lab}	68.31, 0.91, -0.27
CIE _{LCh}	68, 0.946, 343.366
Yxy	38.3873, 0.3137, 0.3276
Android (android.graphics.Color)	4289242791 (0xFFA8A6A7)
YUV	166.7120, 0.1420, 1.1296
Hunter-Lab	61.9575, -2.5206, 3.1485

Details

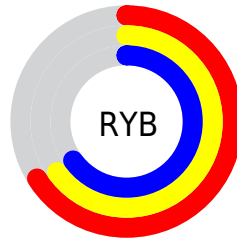
The XYZ color **36.7597, 38.3873, 42.0313** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7050, 38.9032, 42.1356**, and the grayscale version is **36.5905, 38.4960, 41.9222**.

A 20% lighter version of the original color is **69.4727, 72.6748, 79.4733**, and **16.3143, 16.9854, 18.6383** is the 20% darker color. If you saturate the color by 10%, you get **33.1509, 32.3735, 37.1163**, and if you desaturate by 10%, it is **40.8202, 45.2226, 47.3473**.

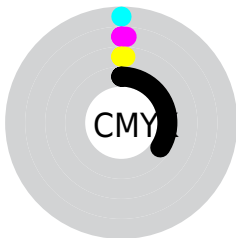
Distribution



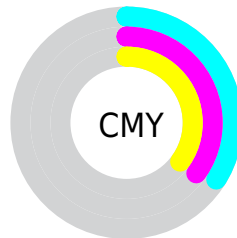
- Red (66%)
- Green (65%)
- Blue (65%)



- Red (66%)
- Yellow (65%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (34%)



- Cyan (34%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7597, 38.3873, 42.0313 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 36.7597, 38.3873, 42.0313 by changing the saturation by 10% instead.

■ 36.7597, 38.3873,
42.0313

■ 36.7597, 38.3873,
42.0313

323.6426,
339.2785, 370.4162

■ 25.1943, 26.2834,
28.8000

■ 69.5193, 72.7014,
79.5176

■ 16.3514, 17.0358,
18.6853

■ 91.4442, 95.6804,
104.6097

■ 9.8656, 10.2600,
11.2686

117.5530,
123.0532, 134.4925

■ 5.3715, 5.5717,
6.1314

148.2110,
155.2042, 169.5846

■ 2.5038, 2.5864,
2.8551

183.7836,
192.5179, 210.3045

■ 0.8972, 0.9199,
1.0211

224.6362,

■ 0.0000, 0.0000,

235.3785, 257.0707

0.0000

271.1341,
284.1706, 310.3017

■ 36.7597, 38.3873,
42.0313

■ 36.7597, 38.3873,
42.0313

■ 33.1509, 32.3735,
37.1163

■ 40.8202, 45.2226,
47.3473

■ 29.9743, 27.1450,
32.5897

■ 45.3446, 52.9037,
53.0717

■ 27.2136, 22.6706,
28.4418

■ 50.3486, 61.4603,
59.2144

■ 24.8503, 18.9148,
24.6614

■ 55.8463, 70.9190,
65.7847

■ 22.8645, 15.8394,
21.2365

■ 61.8512, 81.3052,
72.7912

■ 21.2343, 13.4024,
18.1548

■ 64.4938, 84.8790,
78.9482

■ 19.9356, 11.5574,
15.4025

■ 65.6192, 85.3292,
84.8748

■ 18.9410, 10.2513,
12.9647

■ 66.8013, 85.8020,
91.0996

■ 18.2182, 9.4216,
10.8247

■ 68.0408, 86.2978,
97.6267

Harmonies

Analogous

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



36.6820, 38.3873, 42.3934



36.7597, 38.3873, 42.0313



36.7639, 38.3873, 41.6089

Triad

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



36.7597, 38.3873, 42.0313



36.4201, 38.3873, 41.0082



36.2792, 38.3873, 42.3601

Complementary

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



36.7597, 38.3873, 42.0313



36.7050, 38.9032, 42.1356

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.



36.2094, 38.3873, 41.9862



36.7597, 38.3873, 42.0313



36.2907, 38.3873, 41.2067

Square

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



36.7597, 38.3873, 42.0313



36.5676, 38.3873, 41.0201



36.2136, 38.3873, 41.5641



36.4045, 38.3873, 42.5841

Rectangle

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



36.7597, 38.3873, 42.0313



36.7245, 38.3873, 41.3500



36.2136, 38.3873, 41.5641



36.2485, 38.3873, 42.2477

Sweetspot

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



36.7608, 38.3890, 42.0321



67.5393, 71.0566, 77.3807



36.6418, 38.3169, 42.5109



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.



36.7608, 38.3890, 42.0321



66.8256, 69.8601, 76.4307



36.6689, 38.3522, 41.5485



8.3761, 8.7614, 9.5816



13.4258, 6.7790, 7.0539



0.3525, 0.1753, 0.3078

Inverse Universe

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



36.7608, 38.3890, 42.0321



66.8256, 69.8601, 76.4307



36.7975, 38.9402, 42.6230



8.3761, 8.7614, 9.5816



13.4258, 6.7790, 7.0539



0.3525, 0.1753, 0.3078

Previews

White Background



This preview shows how the XYZ color 36.7597, 38.3873, 42.0313 looks on a white background.

Color Contrast Check

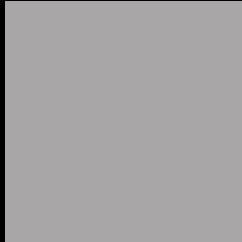
Large Text (above 18pt) WCAG AA × Fail

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 36.7597, 38.3873, 42.0313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

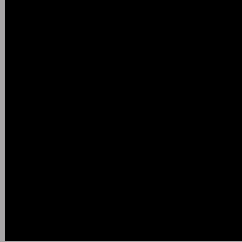
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7597, 38.3873, 42.0313

Background



This preview shows how black text looks on a background with the XYZ color 36.7597, 38.3873, 42.0313.

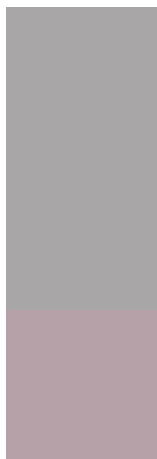


This preview shows how white text looks on a background with the XYZ color 36.7597, 38.3873,

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

36.7597, 38.3873, 42.0313

Protanopia

36.9735, 38.4975, 42.0413

Deuteranopia

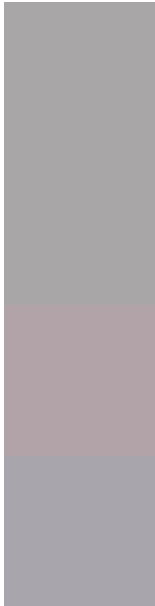
39.1042, 38.2620, 42.3701



Tritanopia

37.7888, 38.2713, 46.9904

Trichromacy



Original Color

36.7597, 38.3873, 42.0313

Protanomaly

36.9735, 38.4975, 42.0413

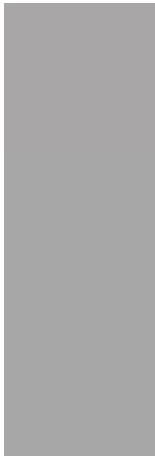
Deuteranomaly

38.2965, 38.3687, 42.4332

Tritanomaly

37.3601, 38.3624, 44.9708

Monochromacy



Original Color

36.7597, 38.3873, 42.0313

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 36.7597, 38.3873, 42.0313 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, 166, 167) looks like.

```
.text, #text, p{  
    color:rgb(168, 166, 167)  
}
```

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, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 166, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.7597, 38.3873, 42.0313 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, 166, 167) }
```

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

```
.border{ border-color:rgb(168, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 166,  
167) }
```


Background

The CSS property to change the background color of an element to XYZ 36.7597, 38.3873, 42.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 166, 167) }
```

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

```
.background{ background-color: rgb(168,  
166, 167) }
```

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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