

Converting Colors

XYZ(37.5168, 40.7345, 42.3920)

Have a look what the booklet for
XYZ(37.5168, 40.7345, 42.3920)
contains.

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Color

**XYZ(37.4357, 40.6765,
42.4375)**

Conversions

Conversions Part 1

Format	Color
Hex	A5ADA7
RGB	165, 173, 167
RGB Percent	65%, 68%, 65%
CMY	0.3529, 0.3216, 0.3451
CMYK	0.05, 0.00, 0.03, 0.32
HSL	135°, 5%, 66%
HSV	135°, 5%, 68%
XYZ	37.4357, 40.6765, 42.4375
YIQ	169.9240, -2.8420, -3.5620

Conversions

Conversions Part 2

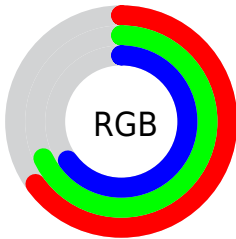
Format	Color
R _Y B	165, 171, 173
Decimal	10857895
CIE Lab	69.95, -3.96, 2.10
CIE LCh	70, 4.479, 152.106
Yxy	40.6765, 0.3105, 0.3374
Android (android.graphics.Color)	4289047975 (0xFFA5ADA7)
YUV	169.9240, -1.4415, -4.3183
Hunter-Lab	63.7781, -6.8380, 5.1936

Details

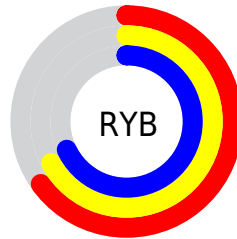
The XYZ color **37.4357, 40.6765, 42.4375** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0409, 38.7359, 44.0019**, and the grayscale version is **38.1796, 40.1679, 43.7428**.

A 20% lighter version of the original color is **70.4434, 75.9764, 80.0594**, and **16.7419, 18.4233, 18.8933** is the 20% darker color. If you saturate the color by 10%, you get **32.9378, 38.4906, 36.2759**, and if you desaturate by 10%, it is **42.5431, 43.1650, 49.2578**.

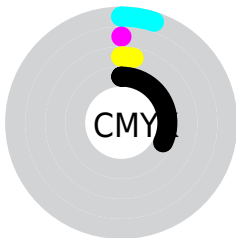
Distribution



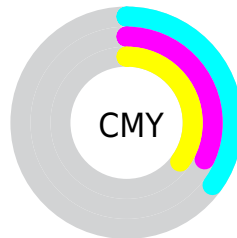
- Red (65%)
- Green (68%)
- Blue (65%)



- Red (65%)
- Yellow (67%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (32%)



- Cyan (35%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4357, 40.6765, 42.4375 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 37.4357, 40.6765, 42.4375 by changing the saturation by 10% instead.

■ 37.4357, 40.6765,
42.4375

■ 37.4357, 40.6765,
42.4375

326.5159,
348.9667, 372.1464

■ 25.7202, 28.0664,
29.1159

■ 70.5519, 76.1926,
80.1386

■ 16.7460, 18.3757,
18.9222

■ 92.6833, 99.8673,
105.3551

■ 10.1478, 11.2201,
11.4378

119.0174,
127.9991, 135.3737

■ 5.5601, 6.2151,
6.2443

149.9196,
160.9722, 170.6129

■ 2.6176, 2.9763,
2.9230

185.7552,
199.1712, 211.4912

■ 0.9549, 1.1194,
1.0554

226.8895,

■ 0.0000, 0.0000,

242.9803, 258.4272

0.0000

273.6880,
292.7840, 311.8394

■ 37.4357, 40.6765,
42.4375

■ 37.4357, 40.6765,
42.4375

■ 32.9378, 38.4906,
36.2759

■ 42.5431, 43.1650,
49.2578

■ 29.0231, 36.5908,
30.7509

■ 48.2783, 45.9616,
56.7527

■ 25.6682, 34.9664,
25.8428

■ 54.6630, 49.0784,
64.9412

■ 22.8471, 33.6046,
21.5302

■ 61.7169, 52.5252,
73.8404

■ 20.5314, 32.4912,
17.7901

■ 69.4588, 56.3112,
83.4670

■ 18.6901, 31.6107,
14.5985

■ 72.6448, 57.7329,
93.5909

■ 17.2889, 30.9460,
11.9292

■ 74.2343, 58.3687,
101.9614

■ 16.2882, 30.4772,
9.7542

■ 15.6410, 30.1808,
8.0425

Harmonies

Analogous

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



37.9213, 40.6765, 40.9745



37.4357, 40.6765, 42.4375



37.2774, 40.6765, 44.4375

Triad

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



37.4357, 40.6765, 42.4375



38.7133, 40.6765, 48.4253



39.8618, 40.6765, 42.1895

Complementary

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



37.4357, 40.6765, 42.4375



38.0409, 38.7359, 44.0019

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.



40.0800, 40.6765, 44.1424



37.4357, 40.6765, 42.4375



39.4118, 40.6765, 47.7793

Square

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



37.4357, 40.6765, 42.4375



38.0095, 40.6765, 47.9347



39.9144, 40.6765, 46.1952



39.3215, 40.6765, 40.8345

Rectangle

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



37.4357, 40.6765, 42.4375



37.3772, 40.6765, 45.8183



39.9144, 40.6765, 46.1952



39.9755, 40.6765, 42.7957

Sweetspot

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



37.4368, 40.6782, 42.4384



70.2164, 74.3933, 80.2705



38.5604, 41.2787, 41.5332



15.2707, 16.1727, 17.4594



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.



37.4368, 40.6782, 42.4384



65.7850, 72.2364, 74.2957



37.8000, 40.8235, 44.3506



8.2744, 9.1124, 9.3349



11.3217, 22.0940, 5.4678



0.3368, 0.6234, 0.2673

Inverse Universe

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



38.0409, 38.7359, 44.0019



67.1988, 67.6904, 77.9550



37.6774, 38.5905, 42.0878



8.4646, 8.5008, 9.8272



15.6329, 7.7157, 16.2442



0.4551, 0.2227, 0.5582

Previews

White Background



This preview shows how the XYZ color 37.4357, 40.6765, 42.4375 looks on a white background.

Color Contrast Check

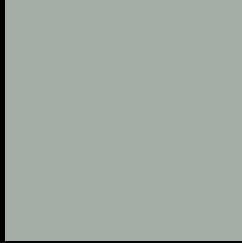
Large Text (above 18pt) WCAG AA × Fail

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 37.4357, 40.6765, 42.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

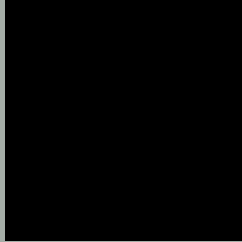
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

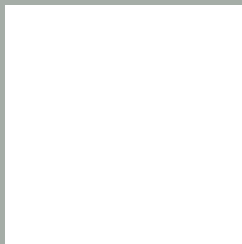
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4357, 40.6765, 42.4375

Background



This preview shows how black text looks on a background with the XYZ color 37.4357, 40.6765, 42.4375.



This preview shows how white text looks on a background with the XYZ color 37.4357, 40.6765,

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

37.4357, 40.6765, 42.4375

Protanopia

38.8455, 40.5800, 41.3827

Deuteranopia

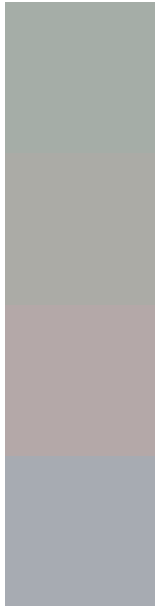
41.3556, 40.4662, 43.1672



Tritanopia

39.1749, 40.5350, 51.1067

Trichromacy



Original Color

37.4357, 40.6765, 42.4375

Protanomaly

38.2404, 40.5369, 41.8853

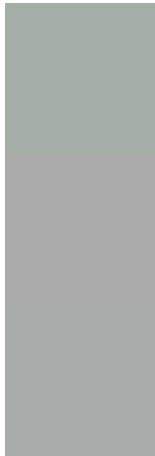
Deuteranomaly

39.8929, 40.5357, 42.7674

Tritanomaly

38.5351, 40.5557, 47.9165

Monochromacy



Original Color

37.4357, 40.6765, 42.4375

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.8728, 40.3152, 43.3216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4357, 40.6765, 42.4375 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(165, 173, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 173, 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(165, 173, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 173, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.4357, 40.6765, 42.4375 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(165, 173, 167) }
```


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

```
.border{ border-color:rgb(165, 173, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 173, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 173, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 173, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 173,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4357, 40.6765, 42.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 173, 167) }
```

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

```
.background{ background-color: rgb(165,  
173, 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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