

Converting Colors

XYZ(37.5442, 40.3823, 43.0646)

Have a look what the booklet for
XYZ(37.5442, 40.3823, 43.0646)
contains.

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Color

**XYZ(37.5463, 40.4392,
42.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ACA8
RGB	166, 172, 168
RGB Percent	65%, 67%, 66%
CMY	0.3490, 0.3255, 0.3412
CMYK	0.03, 0.00, 0.02, 0.33
HSL	140°, 3%, 66%
HSV	140°, 3%, 67%
XYZ	37.5463, 40.4392, 42.8724
YIQ	169.7500, -2.2920, -2.5160

Conversions

Conversions Part 2

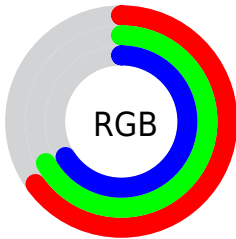
Format	Color
RYB	166, 171, 172
Decimal	10923176
CIELab	69.78, -2.88, 1.31
CIELCh	70, 3.160, 155.524
Yxy	40.4392, 0.3107, 0.3346
Android (android.graphics.Color)	4289113256 (0xFFA6ACA8)
YUV	169.7500, -0.8628, -3.2887
Hunter-Lab	63.5918, -5.8946, 4.5421

Details

The XYZ color **37.5463, 40.4392, 42.8724** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9067, 38.9464, 43.5518**, and the grayscale version is **38.0900, 40.0736, 43.6402**.

A 20% lighter version of the original color is **70.6072, 75.6380, 80.6902**, and **16.8083, 18.2713, 19.1638** is the 20% darker color. If you saturate the color by 10%, you get **33.1573, 38.2958, 37.3332**, and if you desaturate by 10%, it is **42.5142, 42.8724, 48.9325**.

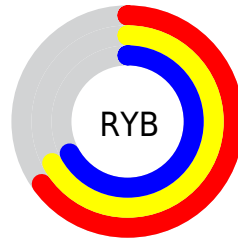
Distribution



Red (65%)

Green (67%)

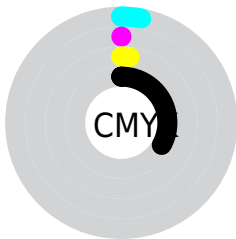
Blue (66%)



Red (65%)

Yellow (67%)

Blue (67%)

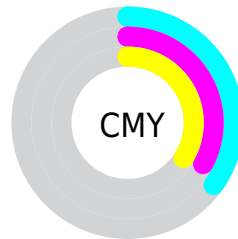


Cyan (3%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5463, 40.4392, 42.8724 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 37.5463, 40.4392, 42.8724 by changing the saturation by 10% instead.

■ 37.5463, 40.4392,
42.8724

■ 37.5463, 40.4392,
42.8724

326.9843,
347.9713, 373.9925

■ 25.8064, 27.8811,
29.4544

■ 70.7206, 75.8318,
80.8026

■ 16.8108, 18.2361,
19.1763

■ 92.8857, 99.4352,
106.1518

■ 10.1941, 11.1196,
11.6196

119.2565,
127.4892, 136.3151

■ 5.5911, 6.1473,
6.3658

150.1984,
160.3781, 171.7111

■ 2.6364, 2.9349,
2.9964

186.0768,
198.4864, 212.7583

■ 0.9645, 1.0978,
1.0928

227.2570,

■ 0.0000, 0.0000,

242.1984, 259.8752

0.0000

274.1044,
291.8986, 313.4805

■ 37.5463, 40.4392,
42.8724

■ 37.5463, 40.4392,
42.8724

■ 33.1573, 38.2958,
37.3332

■ 42.5142, 42.8724,
48.9325

■ 29.3222, 36.4262,
32.2985

■ 48.0777, 45.6004,
55.5238

■ 26.0195, 34.8208,
27.7550

■ 54.2574, 48.6346,
62.6601

■ 23.2248, 33.4671,
23.6877

■ 61.0715, 51.9842,
70.3534

■ 20.9116, 32.3521,
20.0811

■ 68.5378, 55.6580,
78.6156

■ 19.0512, 31.4611,
16.9186

■ 71.2531, 56.8705,
87.2046

■ 17.6116, 30.7780,
14.1827

■ 72.9816, 57.5619,
96.3069

■ 16.5561, 30.2843,
11.8547

■ 74.0433, 57.9866,
101.8978

■ 15.8415, 29.9581,
9.9142

Harmonies

Analogous

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



37.8665, 40.4392, 41.7741



37.5463, 40.4392, 42.8724



37.4637, 40.4392, 44.3036

Triad

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



37.5463, 40.4392, 42.8724



38.5312, 40.4392, 46.9008



39.2439, 40.4392, 42.4118

Complementary

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



37.5463, 40.4392, 42.8724



37.9067, 38.9464, 43.5518

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.



39.4255, 40.4392, 43.7603



37.5463, 40.4392, 42.8724



39.0117, 40.4392, 46.3686

Square

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



37.5463, 40.4392, 42.8724



38.0294, 40.4392, 46.6504



39.3401, 40.4392, 45.2111



38.8460, 40.4392, 41.5124

Rectangle

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



37.5463, 40.4392, 42.8724



37.5538, 40.4392, 45.2587



39.3401, 40.4392, 45.2111



39.3324, 40.4392, 42.8265

Sweetspot

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



37.5474, 40.4409, 42.8733



70.2416, 74.4033, 80.4031



38.2362, 40.8174, 41.9403



15.2758, 16.1748, 17.4866



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.



37.5474, 40.4409, 42.8733



67.6215, 73.1216, 77.1643



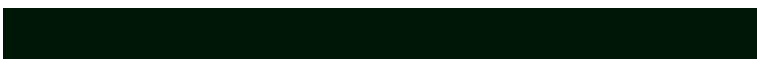
37.8209, 40.5503, 44.3135



8.4882, 9.2153, 9.6797



11.5567, 22.1880, 6.7054



0.3473, 0.6276, 0.3224

Inverse Universe

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



37.9067, 38.9464, 43.5518



68.3789, 69.9707, 78.5948



37.6351, 38.8378, 42.1214



8.5973, 8.7616, 9.8857



14.9767, 7.4532, 12.7885



0.4406, 0.2169, 0.4820

Previews

White Background



This preview shows how the XYZ color 37.5463, 40.4392, 42.8724 looks on a white background.

Color Contrast Check

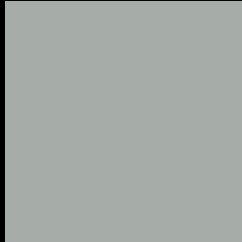
Large Text (above 18pt) WCAG AA × Fail

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 37.5463, 40.4392, 42.8724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

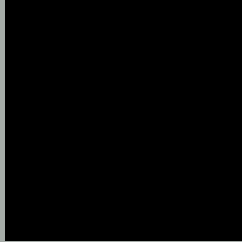
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

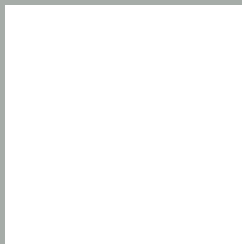
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5463, 40.4392, 42.8724

Background



This preview shows how black text looks on a background with the XYZ color 37.5463, 40.4392, 42.8724.



This preview shows how white text looks on a background with the XYZ color 37.5463, 40.4392,

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

37.5463, 40.4392, 42.8724

Protanopia

38.8053, 40.5381, 42.3386

Deuteranopia

41.1101, 40.3396, 43.1557



Tritanopia

39.0704, 40.4932, 50.5565

Trichromacy



Original Color

37.5463, 40.4392, 42.8724

Protanomaly

38.3325, 40.5738, 42.3704

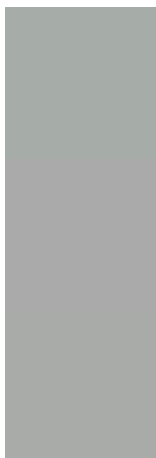
Deuteranomaly

39.7545, 40.4535, 43.2491

Tritanomaly

38.5351, 40.5557, 47.9165

Monochromacy



Original Color

37.5463, 40.4392, 42.8724

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0865, 40.4254, 43.3316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5463, 40.4392, 42.8724 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(166, 172, 168)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 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(166, 172, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.5463, 40.4392, 42.8724 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(166, 172, 168) }
```


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

```
.border{ border-color:rgb(166, 172, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 172, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 168);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5463, 40.4392, 42.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 172, 168) }
```

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

```
.background{ background-color: rgb(166,  
172, 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](#).

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