

Converting Colors

XYZ(37.5688, 40.3241, 43.5754)

Have a look what the booklet for
XYZ(37.5688, 40.3241, 43.5754)
contains.

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Color

**XYZ(37.6398, 40.4766,
43.3651)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ACA9
RGB	166, 172, 169
RGB Percent	65%, 67%, 66%
CMY	0.3490, 0.3255, 0.3372
CMYK	0.03, 0.00, 0.02, 0.33
HSL	150°, 3%, 66%
HSV	150°, 3%, 67%
XYZ	37.6398, 40.4766, 43.3651
YIQ	169.8640, -2.6130, -2.2050

Conversions

Conversions Part 2

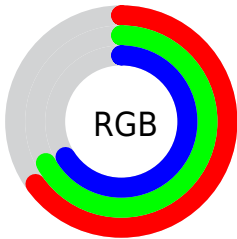
Format	Color
RYB	166, 170, 172
Decimal	10923177
CIELab	69.81, -2.69, 0.80
CIElCh	70, 2.801, 163.502
Yxy	40.4766, 0.3098, 0.3332
Android (android.graphics.Color)	4289113257 (0xFFA6ACA9)
YUV	169.8640, -0.4260, -3.3887
Hunter-Lab	63.6212, -5.7324, 4.1220

Details

The XYZ color **37.6398, 40.4766, 43.3651** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8123, 38.9086, 43.0551**, and the grayscale version is **38.1447, 40.1312, 43.7028**.

A 20% lighter version of the original color is **70.7424, 75.6921, 81.4025**, and **16.8668, 18.2947, 19.4719** is the 20% darker color. If you saturate the color by 10%, you get **33.4914, 38.4294, 39.0929**, and if you desaturate by 10%, it is **42.3259, 42.7971, 47.9417**.

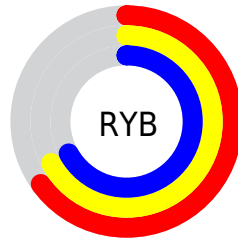
Distribution



Red (65%)

Green (67%)

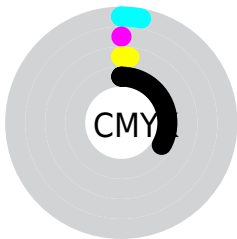
Blue (66%)



Red (65%)

Yellow (67%)

Blue (67%)

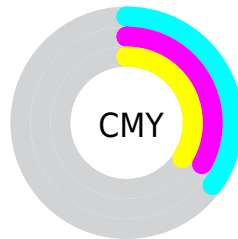


Cyan (3%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6398, 40.4766, 43.3651 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 37.6398, 40.4766, 43.3651 by changing the saturation by 10% instead.

■ 37.6398, 40.4766,
43.3651

■ 37.6398, 40.4766,
43.3651

327.3799,
348.1283, 376.0763

■ 25.8792, 27.9103,
29.8382

■ 70.8632, 75.8887,
81.5538

■ 16.8655, 18.2581,
19.4648

■ 93.0566, 99.5034,
107.0526

■ 10.2333, 11.1354,
11.8264

119.4585,
127.5696, 137.3791

■ 5.6174, 6.1580,
6.5045

150.4339,
160.4718, 172.9519

■ 2.6523, 2.9414,
3.0805

186.3485,
198.5944, 214.1895

■ 0.9727, 1.1012,
1.1359

227.5674,

■ 0.0000, 0.0000,

242.3217, 261.5104

0.0000

274.4561,
292.0382, 315.3332

■ 37.6398, 40.4766,
43.3651

■ 37.6398, 40.4766,
43.3651

■ 33.4914, 38.4294,
39.0929

■ 42.3259, 42.7971,
47.9417

■ 29.8573, 36.6402,
35.1161

■ 47.5653, 45.3954,
52.8259

■ 26.7172, 35.0998,
31.4292

■ 53.3770, 48.2824,
58.0246

■ 24.0485, 33.7966,
28.0254

■ 59.7782, 51.4668,
63.5434

■ 21.8263, 32.7180,
24.8979

■ 66.7854, 54.9571,
69.3879

■ 20.0236, 31.8501,
22.0393

■ 68.9942, 55.9670,
75.3098

■ 18.6103, 31.1775,
19.4419

■ 70.1678, 56.4364,
81.4897

■ 17.5518, 30.6826,
17.0977

■ 71.4010, 56.9297,
87.9833

■ 16.8069, 30.3443,
14.9980

■ 72.6945, 57.4471,
94.7951

Harmonies

Analogous

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



37.8732, 40.4766, 42.2813



37.6398, 40.4766, 43.3651



37.6281, 40.4766, 44.6592

Triad

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



37.6398, 40.4766, 43.3651



38.6762, 40.4766, 46.5512



39.1093, 40.4766, 42.3713

Complementary

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



37.6398, 40.4766, 43.3651



37.8123, 38.9086, 43.0551

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.



39.3280, 40.4766, 43.4903



37.6398, 40.4766, 43.3651



39.0766, 40.4766, 45.9129

Square

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



37.6398, 40.4766, 43.3651



38.2241, 40.4766, 46.5161



39.3160, 40.4766, 44.7868



38.7205, 40.4766, 41.7153

Rectangle

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



37.6398, 40.4766, 43.3651



37.7476, 40.4766, 45.4683



39.3160, 40.4766, 44.7868



39.2052, 40.4766, 42.7048

Sweetspot

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



37.6409, 40.4783, 43.3660



70.2920, 74.4235, 80.6688



38.0205, 40.7062, 41.9300



15.2862, 16.1789, 17.5412



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.



37.6409, 40.4783, 43.3660



67.8187, 73.2005, 78.2025



37.9166, 40.5886, 44.8174



8.5166, 9.2266, 9.8291



12.2550, 22.4673, 10.3825



0.3686, 0.6361, 0.4344

Inverse Universe

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



37.8123, 38.9086, 43.0551



68.1800, 69.8911, 77.5471



37.5428, 38.8008, 41.6356



8.5686, 8.7501, 9.7348



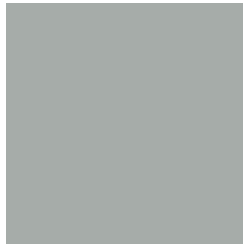
13.9394, 7.0383, 7.3262



0.4154, 0.2069, 0.3494

Previews

White Background



This preview shows how the XYZ color 37.6398, 40.4766, 43.3651 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 37.6398, 40.4766, 43.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

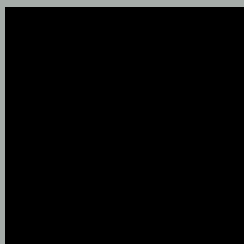
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

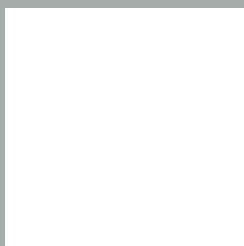
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6398, 40.4766, 43.3651

Background



This preview shows how black text looks on a background with the XYZ color 37.6398, 40.4766, 43.3651.



This preview shows how white text looks on a background with the XYZ color 37.6398, 40.4766,

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

37.6398, 40.4766, 43.3651

Protanopia

38.8982, 40.5753, 42.8274

Deuteranopia

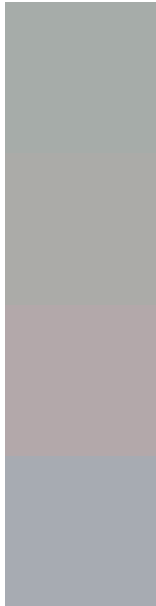
41.2043, 40.3773, 43.6521



Tritanopia

39.0704, 40.4932, 50.5565

Trichromacy



Original Color

37.6398, 40.4766, 43.3651

Protanomaly

38.4254, 40.6109, 42.8592

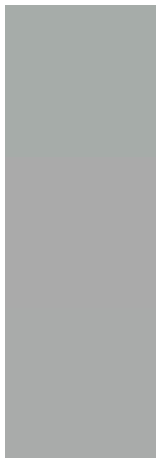
Deuteranomaly

39.8487, 40.4912, 43.7455

Tritanomaly

38.5351, 40.5557, 47.9165

Monochromacy



Original Color

37.6398, 40.4766, 43.3651

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1808, 40.4631, 43.8280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6398, 40.4766, 43.3651 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.6398, 40.4766, 43.3651 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, 169) }
```


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

```
.border{ border-color:rgb(166, 172, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 169);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6398, 40.4766, 43.3651 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, 169) }
```

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

```
.background{ background-color: rgb(166,  
172, 169) }
```

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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