

Converting Colors

XYZ(36.8332, 40.0825, 42.3565)

Have a look what the booklet for
XYZ(36.8332, 40.0825, 42.3565)
contains.

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Color

**XYZ(36.8318, 40.0816,
42.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	A3ACA7
RGB	163, 172, 167
RGB Percent	64%, 67%, 65%
CMY	0.3608, 0.3255, 0.3451
CMYK	0.05, 0.00, 0.03, 0.33
HSL	147°, 5%, 66%
HSV	147°, 5%, 67%
XYZ	36.8318, 40.0816, 42.3545
YIQ	168.7390, -3.7590, -3.4630

Conversions

Conversions Part 2

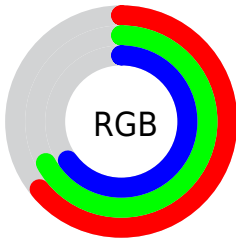
Format	Color
RYB	163, 169, 172
Decimal	10726567
CIELab	69.53, -4.12, 1.46
CIELCh	70, 4.377, 160.452
Yxy	40.0816, 0.3088, 0.3361
Android (android.graphics.Color)	4288916647 (0xFFA3ACA7)
YUV	168.7390, -0.8573, -5.0331
Hunter-Lab	63.3100, -6.9468, 4.6519

Details

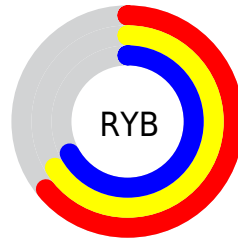
The XYZ color **36.8318, 40.0816, 42.3545** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1798, 37.7931, 42.3829**, and the grayscale version is **37.5895, 39.5471, 43.0668**.

A 20% lighter version of the original color is **69.5673, 75.1175, 79.9398**, and **16.3665, 18.0503, 18.8411** is the 20% darker color. If you saturate the color by 10%, you get **32.6957, 38.0488, 37.7180**, and if you desaturate by 10%, it is **41.5145, 42.3909, 47.3592**.

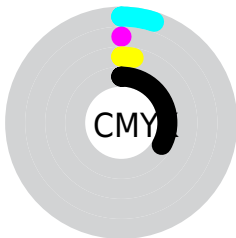
Distribution



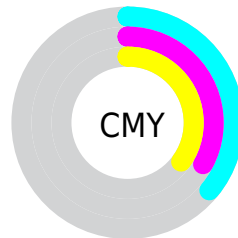
- Red (64%)
- Green (67%)
- Blue (65%)



- Red (64%)
- Yellow (66%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8318, 40.0816, 42.3545 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 36.8318, 40.0816, 42.3545 by changing the saturation by 10% instead.

■ 36.8318, 40.0816,
42.3545

■ 36.8318, 40.0816,
42.3545

323.9499,
346.4674, 371.7933

■ 25.2504, 27.6022,
29.0513

■ 69.6295, 75.2878,
80.0117

■ 16.3934, 18.0260,
18.8737

■ 91.5765, 98.7833,
105.2029

■ 9.8956, 10.9686,
11.4032

117.7094,
126.7196, 135.1938

■ 5.3915, 6.0458,
6.2211

148.3936,
159.4812, 170.4030

■ 2.5159, 2.8729,
2.9091

183.9944,
197.4523, 211.2490

■ 0.9033, 1.0658,
1.0484

224.8771,

■ 0.0000, 0.0000,

241.0175, 258.1503

0.0000

271.4072,
290.5610, 311.5256

■ 36.8318, 40.0816,
42.3545

■ 36.8318, 40.0816,
42.3545

■ 32.6957, 38.0488,
37.7180

■ 41.5145, 42.3909,
47.3592

■ 29.0822, 36.2770,
33.4388

■ 46.7600, 44.9814,
52.7374

■ 25.9705, 34.7566,
29.5092

■ 52.5878, 47.8643,
58.4978

■ 23.3370, 33.4757,
25.9202

■ 59.0155, 51.0484,
64.6479

■ 21.1563, 32.4214,
22.6624

■ 66.0602, 54.5424,
71.1950

■ 19.4003, 31.5793,
19.7262

■ 69.4952, 56.1674,
77.9477

■ 18.0377, 30.9335,
17.1011

■ 70.8311, 56.7017,
84.9828

■ 17.0325, 30.4658,
14.7762

■ 72.2412, 57.2658,
92.4080

■ 16.3404, 30.1533,
12.7397

■ 73.7265, 57.8599,
100.2293

Harmonies

Analogous

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



37.2227, 40.0816, 40.7509



36.8318, 40.0816, 42.3545



36.7774, 40.0816, 44.3509

Triad

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



36.8318, 40.0816, 42.3545



38.3431, 40.0816, 47.5767



39.1384, 40.0816, 41.1688

Complementary

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



36.8318, 40.0816, 42.3545



37.1798, 37.7931, 42.3829

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.



39.4465, 40.0816, 42.9408



36.8318, 40.0816, 42.3545



38.9836, 40.0816, 46.6668

Square

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



36.8318, 40.0816, 42.3545



37.6441, 40.0816, 47.4079



39.3895, 40.0816, 44.9554



38.5522, 40.0816, 40.0811

Rectangle

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



36.8318, 40.0816, 42.3545



36.9384, 40.0816, 45.6415



39.3895, 40.0816, 44.9554



39.2782, 40.0816, 41.7018

Sweetspot

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



36.8329, 40.0833, 42.3554



69.4241, 73.9974, 79.6652



37.5346, 40.4871, 40.4873



15.1079, 16.0914, 17.3351



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.



36.8329, 40.0833, 42.3554



66.1227, 72.3715, 76.0740



37.2470, 40.2489, 44.5359



8.3198, 9.1306, 9.5740



11.9869, 22.3600, 8.9705



0.3613, 0.6332, 0.3960

Inverse Universe

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



37.1798, 37.7931, 42.3829



66.8526, 67.5519, 76.1319



36.7764, 37.6318, 40.2588



8.4180, 8.4821, 9.5817



14.2453, 7.1607, 8.9373



0.4233, 0.2100, 0.3907

Previews

White Background



This preview shows how the XYZ color 36.8318, 40.0816, 42.3545 looks on a white background.

Color Contrast Check

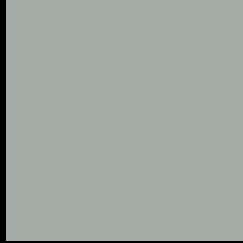
Large Text (above 18pt) WCAG AA × Fail

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 36.8318, 40.0816, 42.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

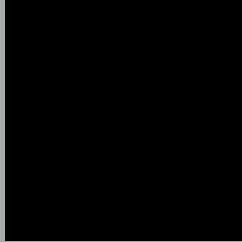
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

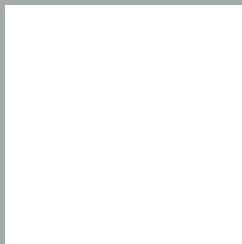
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8318, 40.0816, 42.3545

Background



This preview shows how black text looks on a background with the XYZ color 36.8318, 40.0816, 42.3545.



This preview shows how white text looks on a background with the XYZ color 36.8318, 40.0816,

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

36.8318, 40.0816, 42.3545

Protanopia

38.4351, 40.0912, 41.3099

Deuteranopia

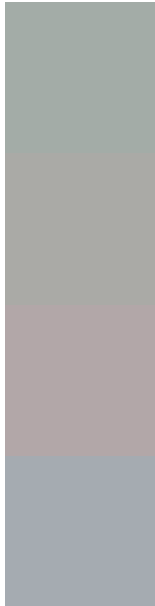
40.6866, 39.8546, 43.0844



Tritanopia

38.6479, 40.2753, 50.5367

Trichromacy



Original Color

36.8318, 40.0816, 42.3545

Protanomaly

37.8352, 40.0487, 41.8124

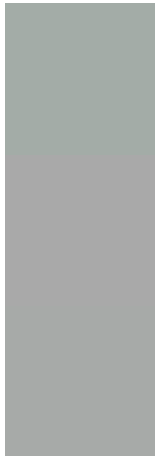
Deuteranomaly

39.2467, 39.9296, 42.6844

Tritanomaly

38.0158, 40.2995, 47.3699

Monochromacy



Original Color

36.8318, 40.0816, 42.3545

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.3790, 39.7921, 42.7563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8318, 40.0816, 42.3545 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(163, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 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(163, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.8318, 40.0816, 42.3545 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(163, 172, 167) }
```


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

```
.border{ border-color:rgb(163, 172, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 172, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8318, 40.0816, 42.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 172, 167) }
```

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

```
.background{ background-color: rgb(163,  
172, 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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