

Converting Colors

XYZ(37.9104, 40.2008, 45.4998)

Have a look what the booklet for
XYZ(37.9104, 40.2008, 45.4998)
contains.

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Color

**XYZ(37.8316, 40.2499,
45.3102)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ABAD
RGB	166, 171, 173
RGB Percent	65%, 67%, 68%
CMY	0.3490, 0.3294, 0.3216
CMYK	0.04, 0.01, 0.00, 0.32
HSL	197°, 4%, 66%
HSV	197°, 4%, 68%
XYZ	37.8316, 40.2499, 45.3102
YIQ	169.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

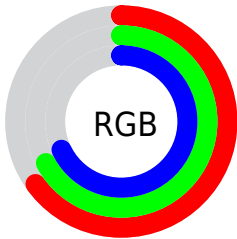
Format	Color
RYB	166, 169, 173
Decimal	10922925
CIELab	69.65, -1.37, -1.65
CIELCh	70, 2.145, 230.259
Yxy	40.2499, 0.3066, 0.3262
Android (android.graphics.Color)	4289113005 (0xFFA6ABAD)
YUV	169.7330, 1.6106, -3.2738
Hunter-Lab	63.4428, -4.5835, 2.0657

Details

The XYZ color **37.8316, 40.2499, 45.3102** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1193, 39.6423, 41.7197**, and the grayscale version is **38.0700, 40.0526, 43.6173**.

A 20% lighter version of the original color is **71.0187, 75.3663, 84.2029**, and **16.9874, 18.1515, 20.6974** is the 20% darker color. If you saturate the color by 10%, you get **33.5315, 36.6758, 44.8476**, and if you desaturate by 10%, it is **42.6567, 44.1486, 45.8090**.

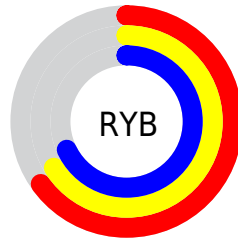
Distribution



Red (65%)

Green (67%)

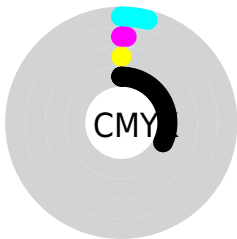
Blue (68%)



Red (65%)

Yellow (66%)

Blue (68%)

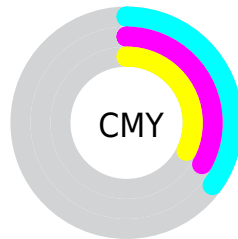


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (32%)



Cyan (35%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8316, 40.2499, 45.3102 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 37.8316, 40.2499, 45.3102 by changing the saturation by 10% instead.

■ 37.8316, 40.2499,
45.3102

■ 37.8316, 40.2499,
45.3102

328.1904,
347.1757, 384.2251

■ 26.0286, 27.7334,
31.3571

■ 71.1555, 75.5439,
84.5091

■ 16.9779, 18.1248,
20.6102

■ 93.4072, 99.0902,
110.5919

■ 10.3139, 11.0396,
12.6509

119.8724,
127.0820, 141.5551

■ 5.6714, 6.0935,
7.0607

150.9167,
159.9035, 177.8172

■ 2.6851, 2.9020,
3.4211

186.9052,
197.9393, 219.7967

■ 0.9895, 1.0808,
1.3135

228.2035,

■ 0.0000, 0.0000,

241.5737, 267.9122

0.0728

275.1767,
291.1910, 322.5821

■ 0.0000, 0.0000,
0.0000

■ 37.8316, 40.2499,
45.3102

■ 37.8316, 40.2499,
45.3102

■ 33.5315, 36.6758,
44.8476

■ 42.6567, 44.1486,
45.8090

■ 29.7332, 33.4103,
44.4175

■ 48.0221, 48.3769,
46.3424

■ 26.4168, 30.4440,
44.0197

■ 53.9464, 52.9462,
46.9121

■ 23.5599, 27.7645,
43.6531

■ 60.4465, 57.8657,
47.5191

■ 21.1380, 25.3586,
43.3164

■ 67.5387, 63.1441,
48.1641

■ 19.1242, 23.2119,
43.0081

■ 69.5813, 65.8738,
48.5833

■ 17.4886, 21.3085,
42.7269

■ 70.7477, 68.2067,
48.9721

■ 16.1966, 19.6297,
42.4710

■ 71.9514, 70.6141,
49.3734

■ 15.2070, 18.1538,
42.2383

■ 73.1928, 73.0969,
49.7872

Harmonies

Analogous

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



37.6342, 40.2499, 44.4899



37.8316, 40.2499, 45.3102



38.1436, 40.2499, 45.7345

Triad

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



37.8316, 40.2499, 45.3102



38.9173, 40.2499, 44.1492



38.0259, 40.2499, 42.0580

Complementary

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



37.8316, 40.2499, 45.3102



38.1193, 39.6423, 41.7197

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.



38.3693, 40.2499, 41.9700



37.8316, 40.2499, 45.3102



38.8853, 40.2499, 43.1674

Square

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



37.8316, 40.2499, 45.3102



38.7714, 40.2499, 45.0576



38.6842, 40.2499, 42.3732



37.7459, 40.2499, 42.6157

Rectangle

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



37.8316, 40.2499, 45.3102



38.3752, 40.2499, 45.7314



38.6842, 40.2499, 42.3732



38.1377, 40.2499, 41.9729

Sweetspot

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



37.8328, 40.2516, 45.3111



70.2720, 74.1400, 81.4125



37.7364, 40.8213, 42.9286



15.2821, 16.1207, 17.6938



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.



37.8328, 40.2516, 45.3111



66.9106, 71.3945, 81.0597



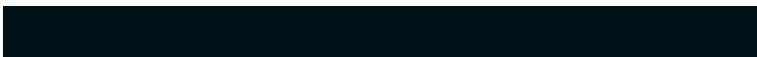
37.1829, 38.9519, 45.0945



8.4098, 8.9857, 10.2439



10.8537, 12.8413, 30.9511



0.3455, 0.4443, 0.8755

Inverse Universe

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



38.2214, 39.0977, 44.0622



67.7818, 68.8214, 78.2569



38.7715, 40.9468, 41.9371



8.5304, 8.6303, 9.8555



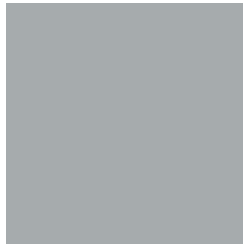
15.3421, 7.5994, 14.7129



0.4488, 0.2202, 0.5250

Previews

White Background



This preview shows how the XYZ color 37.8316, 40.2499, 45.3102 looks on a white background.

Color Contrast Check

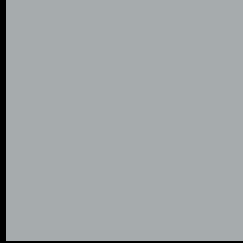
Large Text (above 18pt) WCAG AA × Fail

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 37.8316, 40.2499, 45.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

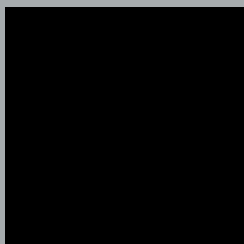
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

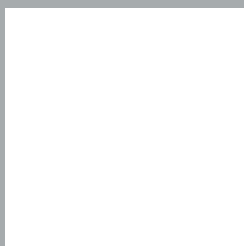
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8316, 40.2499, 45.3102

Background



This preview shows how black text looks on a background with the XYZ color 37.8316, 40.2499, 45.3102.



This preview shows how white text looks on a background with the XYZ color 37.8316, 40.2499,

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

37.8316, 40.2499, 45.3102

Protanopia

38.6476, 40.1251, 44.7377

Deuteranopia

40.8623, 40.1566, 45.6417



Tritanopia

38.8837, 40.1197, 50.4942

Trichromacy



Original Color

37.8316, 40.2499, 45.3102

Protanomaly

38.3987, 40.2741, 44.7796

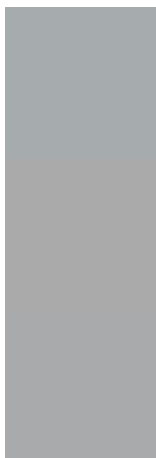
Deuteranomaly

39.5902, 40.0405, 45.6864

Tritanomaly

38.4478, 40.2196, 48.3846

Monochromacy



Original Color

37.8316, 40.2499, 45.3102

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0876, 40.1247, 44.2655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8316, 40.2499, 45.3102 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, 171, 173)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 173)  
}
```

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, 171, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 173) }
```

Border

The CSS property to change the border of an element to XYZ 37.8316, 40.2499, 45.3102 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, 171, 173) }
```


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

```
.border{ border-color:rgb(166, 171, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 173);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8316, 40.2499, 45.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 173) }
```

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

```
.background{ background-color: rgb(166,  
171, 173) }
```

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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