

Converting Colors

XYZ(38.7311, 40.7494, 47.0271)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 47.0271)
contains.

XYZ(38.7616, 40.6954, 46.8863)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7616, 40.6954,
46.8863)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ABB0
RGB	169, 171, 176
RGB Percent	66%, 67%, 69%
CMY	0.3372, 0.3294, 0.3098
CMYK	0.04, 0.03, 0.00, 0.31
HSL	223°, 4%, 68%
HSV	223°, 4%, 69%
XYZ	38.7616, 40.6954, 46.8863
YIQ	170.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

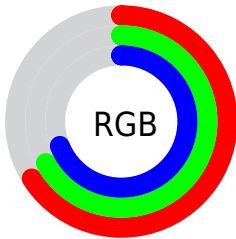
Format	Color
RYB	169, 171, 176
Decimal	11119536
CIELab	69.96, 0.26, -2.82
CIElCh	70, 2.830, 275.294
Yxy	40.6954, 0.3068, 0.3221
Android (android.graphics.Color)	4289309616 (0xFFA9ABB0)
YUV	170.9720, 2.4788, -1.7294
Hunter-Lab	63.7929, -3.1782, 1.0783

Details

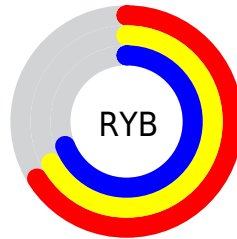
The XYZ color **38.7616, 40.6954, 46.8863** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.2022, 42.3665, 43.5956**, and the grayscale version is **38.6846, 40.6992, 44.3214**.

A 20% lighter version of the original color is **72.5023, 76.0662, 87.2049**, and **17.5710, 18.4308, 21.7002** is the 20% darker color. If you saturate the color by 10%, you get **32.9755, 34.3561, 45.9683**, and if you desaturate by 10%, it is **45.2839, 47.7516, 47.9051**.

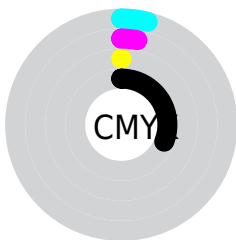
Distribution



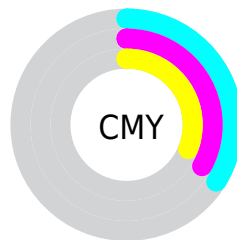
- Red (66%)
- Green (67%)
- Blue (69%)



- Red (66%)
- Yellow (67%)
- Blue (69%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (34%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7616, 40.6954, 46.8863 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 38.7616, 40.6954, 46.8863 by changing the saturation by 10% instead.

■ 38.7616, 40.6954,
46.8863

■ 38.7616, 40.6954,
46.8863

332.1005,
349.0459, 390.7411

■ 26.7542, 28.0812,
32.5921

■ 72.5704, 76.2213,
86.8921

■ 17.5243, 18.3868,
21.5456

■ 95.1025, 99.9017,
113.4407

■ 10.7066, 11.2281,
13.3283

121.8735,
128.0397, 144.9113

■ 5.9358, 6.2205,
7.5216

153.2489,
161.0195, 181.7222

■ 2.8464, 2.9796,
3.7070

189.5939,
199.2257, 224.2921

■ 1.0730, 1.1211,
1.4660

231.2740,

■ 0.0024, 0.0000,

243.0425, 273.0396

0.1924

278.6544,
292.8545, 328.3830

■ 0.0000, 0.0000,
0.0000

■ 38.7616, 40.6954,
46.8863

■ 38.7616, 40.6954,
46.8863

■ 32.9755, 34.3561,
45.9683

■ 45.2839, 47.7516,
47.9051

■ 27.8958, 28.7054,
45.1453

■ 52.5641, 55.5411,
49.0250

■ 23.4956, 23.7210,
44.4151

■ 60.6271, 64.0868,
50.2495

■ 19.7448, 19.3771,
43.7744

■ 69.4956, 73.4085,
51.5813

■ 16.6113, 15.6466,
43.2195

■ 78.4512, 83.1438,
52.9884

■ 14.0597, 12.4998,
42.7465

■ 82.1529, 90.5473,
54.2223

■ 12.0512, 9.9045,
42.3515

■ 84.8366, 95.9146,
55.1169

■ 10.5414, 7.8251,
42.0297

■ 9.4782, 6.2207,
41.7760

Harmonies

Analogous

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



38.3105, 40.6954, 46.6567



38.7616, 40.6954, 46.8863



39.1941, 40.6954, 46.4147

Triad

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



38.7616, 40.6954, 46.8863



39.4077, 40.6954, 42.8599



37.8801, 40.6954, 43.2579

Complementary

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



38.7616, 40.6954, 46.8863



40.2022, 42.3665, 43.5956

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.



38.1699, 40.6954, 42.2707



38.7616, 40.6954, 46.8863



39.0514, 40.6954, 42.0441

Square

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



38.7616, 40.6954, 46.8863



39.5690, 40.6954, 44.0766



38.5980, 40.6954, 41.8306



37.8039, 40.6954, 44.5450

Rectangle

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



38.7616, 40.6954, 46.8863



39.4130, 40.6954, 45.7714



38.5980, 40.6954, 41.8306



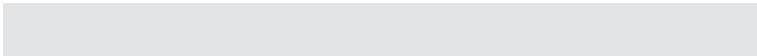
37.9557, 40.6954, 42.8808

Sweetspot

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



38.7628, 40.6971, 46.8872



73.6614, 77.4600, 85.5642



39.5184, 42.5384, 46.1218



15.9775, 16.8019, 18.5453



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7628, 40.6971, 46.8872



69.0715, 72.4699, 84.8429



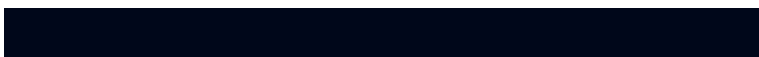
38.6894, 40.1020, 46.7762



8.7427, 9.1699, 10.8155



6.6418, 4.0840, 30.5752



0.2601, 0.2307, 0.9791

Inverse Universe

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



39.4441, 40.5472, 44.2775



70.6429, 72.1330, 78.8215



40.2770, 42.9836, 43.7108



8.9627, 9.1233, 9.9721



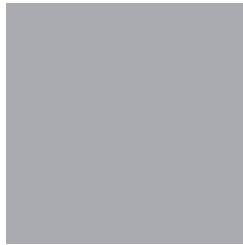
13.5871, 6.9524, 2.9859



0.4533, 0.2291, 0.2298

Previews

White Background



This preview shows how the XYZ color 38.7616, 40.6954, 46.8863 looks on a white background.

Color Contrast Check

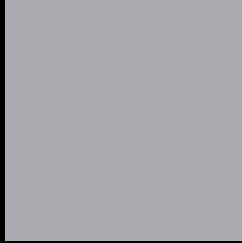
Large Text (above 18pt) WCAG AA × Fail

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 38.7616, 40.6954, 46.8863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

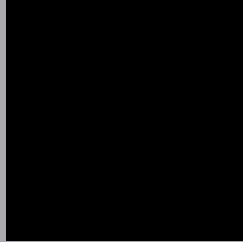
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7616, 40.6954, 46.8863

Background



This preview shows how black text looks on a background with the XYZ color 38.7616, 40.6954, 46.8863.



This preview shows how white text looks on a background with the XYZ color 38.7616, 40.6954,

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

38.7616, 40.6954, 46.8863

Protanopia

39.3462, 40.7288, 46.3451

Deuteranopia

41.5796, 40.7610, 47.2712



Tritanopia

39.4995, 40.7144, 50.5766

Trichromacy



Original Color

38.7616, 40.6954, 46.8863

Protanomaly

39.1258, 40.6153, 46.3348

Deuteranomaly

40.5288, 40.7633, 47.3270

Tritanomaly

39.1905, 40.5908, 48.9493

Monochromacy



Original Color

38.7616, 40.6954, 46.8863

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6833, 40.6890, 45.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7616, 40.6954, 46.8863 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(169, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 176)  
}
```

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(169, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.7616, 40.6954, 46.8863 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(169, 171, 176) }
```


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

```
.border{ border-color:rgb(169, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(169, 171,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7616, 40.6954, 46.8863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 176) }
```

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

```
.background{ background-color: rgb(169,  
171, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor