

Converting Colors

XYZ(37.4952, 40.8300, 44.1598)

Have a look what the booklet for
XYZ(37.4952, 40.8300, 44.1598)
contains.

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Color

**XYZ(37.4960, 40.9609,
43.9602)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AEAA
RGB	163, 174, 170
RGB Percent	64%, 68%, 67%
CMY	0.3608, 0.3176, 0.3333
CMYK	0.06, 0.00, 0.02, 0.32
HSL	158°, 6%, 66%
HSV	158°, 6%, 68%
XYZ	37.4960, 40.9609, 43.9602
YIQ	170.2550, -5.2720, -3.5760

Conversions

Conversions Part 2

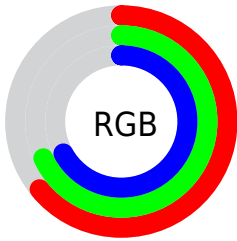
Format	Color
RYB	163, 170, 174
Decimal	10727082
CIELab	70.15, -4.62, 0.71
CIELCh	70, 4.678, 171.232
Yxy	40.9609, 0.3063, 0.3346
Android (android.graphics.Color)	4288917162 (0xFFA3AEAA)
YUV	170.2550, -0.1257, -6.3626
Hunter-Lab	64.0007, -7.4237, 4.0759

Details

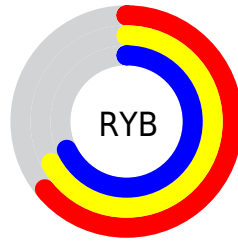
The XYZ color **37.4960, 40.9609, 43.9602** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5293, 37.9841, 41.9148**, and the grayscale version is **38.3391, 40.3357, 43.9256**.

A 20% lighter version of the original color is **70.5234, 76.3803, 82.2601**, and **16.7851, 18.6066, 19.8463** is the 20% darker color. If you saturate the color by 10%, you get **33.5912, 39.0166, 40.7269**, and if you desaturate by 10%, it is **41.9222, 43.1730, 47.3701**.

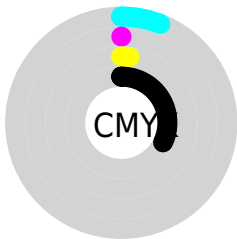
Distribution



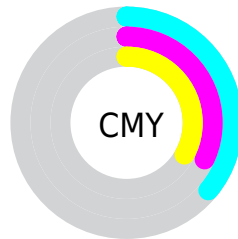
- Red (64%)
- Green (68%)
- Blue (67%)



- Red (64%)
- Yellow (67%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)





- Cyan (36%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4960, 40.9609, 43.9602 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 37.4960, 40.9609, 43.9602 by changing the saturation by 10% instead.


 37.4960, 40.9609,
43.9602


 37.4960, 40.9609,
43.9602


326.7713,
350.1572, 378.5824

 25.7672, 28.2885,
30.3023


 70.6439, 76.6245,
82.4597

 16.7813, 18.5433,
19.8141


 92.7936, 100.3846,
108.1383

 10.1730, 11.3407,
12.0773


119.1478,
128.6093, 138.6609

 5.5770, 6.2965,
6.6731

150.0716,
161.6832, 174.4460

 2.6278, 3.0262,
3.1832

185.9306,
199.9905, 215.9122

 0.9601, 1.1454,
1.1889

227.0899,

 0.0000, 0.0164,

243.9156, 263.4780

0.0000

273.9151,
293.8431, 317.5619

■ 0.0000, 0.0000,
0.0000

■ 37.4960, 40.9609,
43.9602

■ 37.4960, 40.9609,
43.9602

■ 33.5912, 39.0166,
40.7269

■ 41.9222, 43.1730,
47.3701

■ 30.1841, 37.3244,
37.6645

■ 46.8854, 45.6574,
50.9569

■ 27.2540, 35.8749,
34.7708

■ 52.4051, 48.4252,
54.7244

■ 24.7778, 34.6562,
32.0425

■ 58.4984, 51.4852,
58.6753

■ 22.7301, 33.6553,
29.4761

■ 65.1819, 54.8461,
62.8123

■ 21.0830, 32.8577,
27.0680

■ 67.7598, 56.0869,
66.9177

■ 19.8051, 32.2475,
24.8145

■ 68.5544, 56.4047,
71.1018

■ 18.8602, 31.8059,
22.7114

■ 69.3804, 56.7351,
75.4516

■ 18.1992, 31.5079,
20.7539

■ 70.2382, 57.0782,
79.9687

Harmonies

Analogous

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



37.7962, 40.9609, 42.0126



37.4960, 40.9609, 43.9602



37.5767, 40.9609, 46.1429

Triad

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



37.4960, 40.9609, 43.9602



39.4674, 40.9609, 48.6436



39.8607, 40.9609, 41.3940

Complementary

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



37.4960, 40.9609, 43.9602



37.5293, 37.9841, 41.9148

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.



40.3197, 40.9609, 43.0908



37.4960, 40.9609, 43.9602



40.0906, 40.9609, 47.2904

Square

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



37.4960, 40.9609, 43.9602



38.7083, 40.9609, 48.8950



40.4044, 40.9609, 45.2449



39.1568, 40.9609, 40.5632

Rectangle

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



37.4960, 40.9609, 43.9602



37.8360, 40.9609, 47.4348



40.4044, 40.9609, 45.2449



40.0491, 40.9609, 41.8794

Sweetspot

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



37.4972, 40.9626, 43.9611



71.3371, 75.9580, 82.3495



37.6917, 41.1374, 40.6047



15.8748, 16.8922, 18.3181



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.



37.4972, 40.9626, 43.9611



66.6557, 73.6217, 78.6472



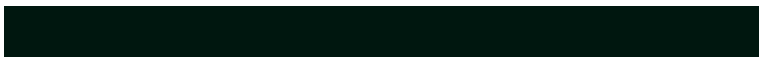
37.5998, 40.5527, 45.8922



8.1108, 9.0219, 9.6085



13.0766, 22.7959, 14.7090



0.3888, 0.6442, 0.5410

Inverse Universe

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



37.5293, 37.9841, 41.9148



66.7298, 66.7495, 73.9261



37.4268, 38.3624, 40.0830



8.1212, 8.0617, 8.9489



13.3439, 6.8001, 4.1902



0.3979, 0.1999, 0.2574

Previews

White Background



This preview shows how the XYZ color 37.4960, 40.9609, 43.9602 looks on a white background.

Color Contrast Check

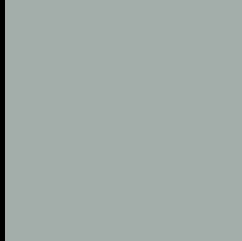
Large Text (above 18pt) WCAG AA × Fail

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 37.4960, 40.9609, 43.9602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

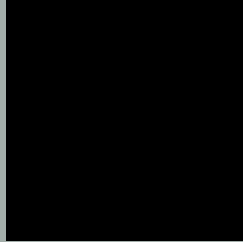
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

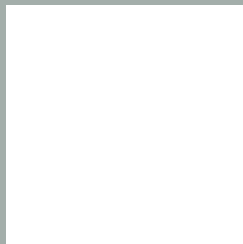
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4960, 40.9609, 43.9602

Background



This preview shows how black text looks on a background with the XYZ color 37.4960, 40.9609, 43.9602.



This preview shows how white text looks on a background with the XYZ color 37.4960, 40.9609,

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

37.4960, 40.9609, 43.9602

Protanopia

39.3100, 41.0669, 42.9006

Deuteranopia

41.8216, 40.9424, 44.7282



Tritanopia

39.2354, 41.1148, 51.7670

Trichromacy



Original Color

37.4960, 40.9609, 43.9602

Protanomaly

38.7085, 41.0275, 43.4151

Deuteranomaly

40.1291, 40.8999, 44.3075

Tritanomaly

38.6988, 41.1818, 49.0892

Monochromacy



Original Color

37.4960, 40.9609, 43.9602

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.7550, 40.2436, 43.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4960, 40.9609, 43.9602 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, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(163, 174, 170)  
}
```

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, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 174, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.4960, 40.9609, 43.9602 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, 174, 170) }
```


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

```
.border{ border-color:rgb(163, 174, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(163, 174,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4960, 40.9609, 43.9602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 174, 170) }
```

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

```
.background{ background-color: rgb(163,  
174, 170) }
```

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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