

Converting Colors

XYZ(39.9887, 42.6709, 47.7242)

Have a look what the booklet for
XYZ(39.9887, 42.6709, 47.7242)
contains.

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Color

**XYZ(40.0387, 42.7710,
47.7403)**

Conversions

Conversions Part 1	
Format	Color
Hex	AAB0B1
RGB	170, 176, 177
RGB Percent	67%, 69%, 69%
CMY	0.3333, 0.3098, 0.3059
CMYK	0.04, 0.01, 0.00, 0.31
HSL	189°, 4%, 68%
HSV	189°, 4%, 69%
XYZ	40.0387, 42.7710, 47.7403
YIQ	174.3200, -3.8970, -0.9610

Conversions

Conversions Part 2

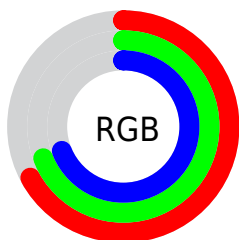
Format	Color
RYB	170, 173, 177
Decimal	11186353
CIELab	71.40, -1.91, -1.25
CIELCh	71, 2.280, 213.291
Yxy	42.7710, 0.3067, 0.3276
Android (android.graphics.Color)	4289376433 (0xFFAAB0B1)
YUV	174.3200, 1.3212, -3.7886
Hunter-Lab	65.3995, -5.1685, 2.4992

Details

The XYZ color **40.0387, 42.7710, 47.7403** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9502, 41.3749, 43.9115**, and the grayscale version is **40.3925, 42.4960, 46.2782**.

A 20% lighter version of the original color is **74.6159, 79.6040, 88.5232**, and **18.3170, 19.7221, 21.9101** is the 20% darker color. If you saturate the color by 10%, you get **35.9776, 39.9514, 47.4108**, and if you desaturate by 10%, it is **44.6267, 45.8782, 48.0989**.

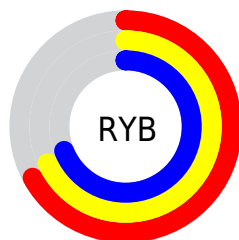
Distribution



Red (67%)

Green (69%)

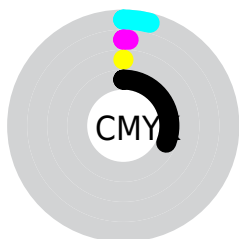
Blue (69%)



Red (67%)

Yellow (68%)

Blue (69%)

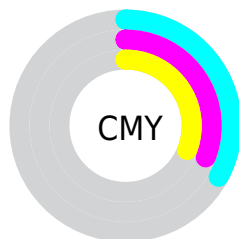


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0387, 42.7710, 47.7403 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 40.0387, 42.7710, 47.7403 by changing the saturation by 10% instead.


 40.0387, 42.7710,
47.7403

 40.0387, 42.7710,
47.7403


337.4183,
357.6692, 394.2408

 27.7531, 29.7055,
33.2627


 74.5064, 79.3652,
88.1791

 18.2791, 19.6151,
22.0550


97.4192, 103.6626,
114.9775

 11.2515, 12.1156,
13.6986


124.6051,
132.4728, 146.7199

 6.3048, 6.8225,
7.7750

156.4294,
166.1802, 183.8248

 3.0737, 3.3513,
3.8656

193.2575,
205.1691, 226.7108

 1.1928, 1.3178,
1.5519


235.4548,


 0.1007, 0.1549,


249.8240, 275.7964

0.2562


283.3866,
300.5292, 331.5003


 0.0000, 0.0000,
0.0000


 40.0387, 42.7710,
47.7403


 40.0387, 42.7710,
47.7403

 35.9776, 39.9514,
47.4108


 44.6267, 45.8782,
48.0989

 32.4191, 37.4034,
47.1065


 49.7571, 49.2776,
48.4846


 29.3427, 35.1173,
46.8274

 55.4497, 52.9805,
48.8993

 26.7248, 33.0810,
46.5723

 61.7218, 56.9960,
49.3438

 24.5401, 31.2814,
46.3401

 67.2901, 60.6626,
49.7581

■ 22.7604, 29.7038,
46.1294

■ 67.8357, 61.7540,
49.9400

■ 21.3544, 28.3321,
45.9387

■ 68.3909, 62.8643,
50.1250

■ 20.2862, 27.1476,
45.7664

■ 68.9556, 63.9936,
50.3132

■ 19.5122, 26.1278,
45.6104

■ 69.5298, 65.1421,
50.5047

Harmonies

Analogous

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



39.9201, 42.7710, 46.6918



40.0387, 42.7710, 47.7403



40.3217, 42.7710, 48.4843

Triad

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



40.0387, 42.7710, 47.7403



41.3155, 42.7710, 47.5269



40.6102, 42.7710, 44.4917

Complementary

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



40.0387, 42.7710, 47.7403



39.9502, 41.3749, 43.9115

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.



40.9852, 42.7710, 44.7074



40.0387, 42.7710, 47.7403



41.3939, 42.7710, 46.4491

Square

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



40.0387, 42.7710, 47.7403



41.0590, 42.7710, 48.3597



41.2726, 42.7710, 45.4197



40.2488, 42.7710, 44.8256

Rectangle

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



40.0387, 42.7710, 47.7403



40.5664, 42.7710, 48.7014



41.2726, 42.7710, 45.4197



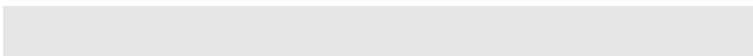
40.7388, 42.7710, 44.5024

Sweetspot

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



40.0399, 42.7728, 47.7412



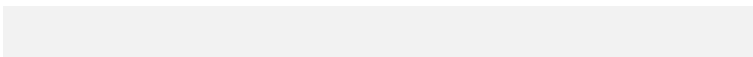
74.0233, 78.1838, 85.6848



39.6447, 42.9287, 44.6920



16.0517, 16.9502, 18.5700



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.



40.0399, 42.7728, 47.7412



70.8401, 76.0071, 85.4325



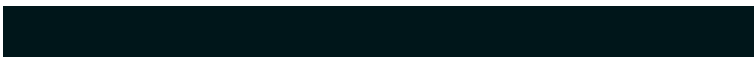
39.3747, 41.4423, 47.5195



8.9903, 9.6651, 10.8980



13.8935, 18.5874, 32.9925



0.4653, 0.6411, 1.0475

Inverse Universe

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



40.3436, 41.2320, 46.9086



71.5357, 72.4901, 83.5225



40.6077, 42.6899, 44.1306



9.0877, 9.1733, 10.6303



17.2475, 8.4165, 22.2609



0.5569, 0.2705, 0.7752

Previews

White Background



This preview shows how the XYZ color 40.0387, 42.7710, 47.7403 looks on a white background.

Color Contrast Check

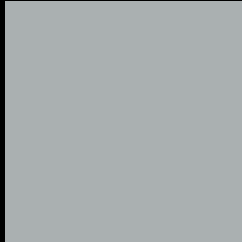
Large Text (above 18pt) WCAG AA × Fail

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 40.0387, 42.7710, 47.7403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

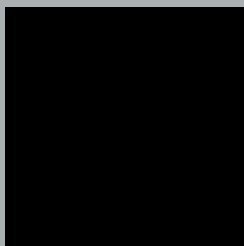
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

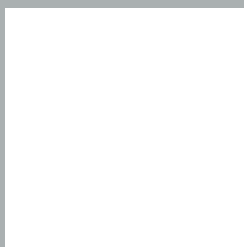
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0387, 42.7710, 47.7403

Background



This preview shows how black text looks on a background with the XYZ color 40.0387, 42.7710, 47.7403.

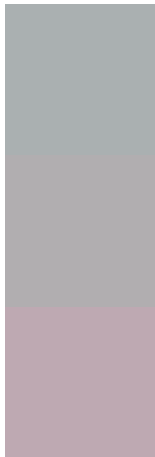


This preview shows how white text looks on a background with the XYZ color 40.0387, 42.7710,

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

40.0387, 42.7710, 47.7403

Protanopia

41.1040, 42.7538, 47.1602

Deuteranopia

43.4591, 42.5374, 48.0395



Tritanopia

41.2264, 42.6736, 53.6409

Trichromacy



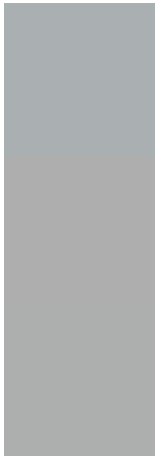
Original Color
40.0387, 42.7710, 47.7403

Protanomaly
40.6220, 42.7932, 47.1932

Deuteranomaly
42.3168, 42.7867, 48.1478

Tritanomaly
40.7763, 42.7786, 51.4553

Monochromacy



Original Color
40.0387, 42.7710, 47.7403

Achromatopsia
40.2316, 42.3268, 46.0938

Achromatomaly
40.3014, 42.6393, 46.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0387, 42.7710, 47.7403 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(170, 176, 177) looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 177)  
}
```

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(170, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.0387, 42.7710, 47.7403 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(170, 176, 177) }
```


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

```
.border{ border-color:rgb(170, 176, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0387, 42.7710, 47.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 177) }
```

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

```
.background{ background-color: rgb(170,  
176, 177) }
```

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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