

Converting Colors

XYZ(37.7234, 40.3015, 47.8473)

Have a look what the booklet for
XYZ(37.7234, 40.3015, 47.8473)
contains.

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Color

**XYZ(37.8927, 40.5059,
47.9407)**

Conversions

Conversions Part 1

Format	Color
Hex	A3ACB2
RGB	163, 172, 178
RGB Percent	64%, 67%, 70%
CMY	0.3608, 0.3255, 0.3020
CMYK	0.08, 0.03, 0.00, 0.30
HSL	204°, 9%, 67%
HSV	204°, 8%, 70%
XYZ	37.8927, 40.5059, 47.9407
YIQ	169.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

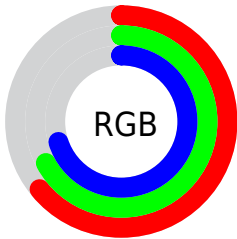
Format	Color
R _Y B	163, 169, 178
Decimal	10726578
CIE Lab	69.83, -1.95, -4.17
CIE LCh	70, 4.607, 244.900
Yxy	40.5059, 0.2999, 0.3206
Android (android.graphics.Color)	4288916658 (0xFFA3ACB2)
YUV	169.9930, 3.9475, -6.1329
Hunter-Lab	63.6442, -5.1016, -0.1098

Details

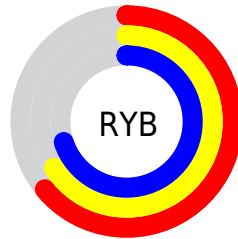
The XYZ color **37.8927, 40.5059, 47.9407** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.1592, 40.4852, 40.4017**, and the grayscale version is **38.1895, 40.1783, 43.7542**.

A 20% lighter version of the original color is **71.2338, 75.7841, 88.7153**, and **16.9737, 18.2931, 22.0384** is the 20% darker color. If you saturate the color by 10%, you get **33.1833, 36.1218, 47.3433**, and if you desaturate by 10%, it is **43.1900, 45.3030, 48.5881**.

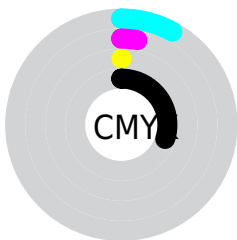
Distribution



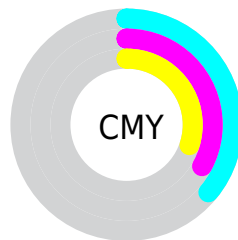
- Red (64%)
- Green (67%)
- Blue (70%)



- Red (64%)
- Yellow (66%)
- Blue (70%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8927, 40.5059, 47.9407 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 37.8927, 40.5059, 47.9407 by changing the saturation by 10% instead.

■ 37.8927, 40.5059,
47.9407

■ 37.8927, 40.5059,
47.9407

328.4483,
348.2513, 395.0590

■ 26.0763, 27.9332,
33.4203

■ 71.2486, 75.9333,
88.4807

■ 17.0137, 18.2753,
22.1748

■ 93.5188, 99.5567,
115.3374

■ 10.3396, 11.1478,
13.7859

120.0042,
127.6326, 147.1433

■ 5.6887, 6.1664,
7.8349

151.0703,
160.5452, 184.3168

■ 2.6956, 2.9465,
3.9032

187.0824,
198.6790, 227.2766

■ 0.9949, 1.1039,
1.5724

228.4059,

■ 0.0000, 0.0000,

242.4183, 276.4412

0.2710

275.4061,
292.1476, 332.2292

■ 0.0000, 0.0000,
0.0000

■ 37.8927, 40.5059,
47.9407

■ 37.8927, 40.5059,
47.9407

■ 33.1833, 36.1218,
47.3433

■ 43.1900, 45.3030,
48.5881

■ 29.0359, 32.1324,
46.7919

■ 49.0929, 50.5204,
49.2840

■ 25.4276, 28.5253,
46.2858

■ 55.6225, 56.1720,
50.0307

■ 22.3328, 25.2854,
45.8236

■ 62.7981, 62.2690,
50.8294

■ 19.7232, 22.3965,
45.4035

■ 70.6378, 68.8224,
51.6811

■ 17.5680, 19.8407,
45.0238

■ 73.5019, 72.9263,
52.3223

■ 15.8322, 17.5982,
44.6824

■ 75.3507, 76.6238,
52.9385

■ 14.4751, 15.6460,
44.3771

■ 77.2792, 80.4808,
53.5814

■ 13.4282, 13.9468,
44.1043

■ 79.2884, 84.4993,
54.2511

Harmonies

Analogous

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



37.3319, 40.5059, 46.5032



37.8927, 40.5059, 47.9407



38.6226, 40.5059, 48.3371

Triad

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



37.8927, 40.5059, 47.9407



39.9506, 40.5059, 43.7531



37.6825, 40.5059, 40.8110

Complementary

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



37.8927, 40.5059, 47.9407



39.1592, 40.4852, 40.4017

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.



38.3769, 40.5059, 40.1256



37.8927, 40.5059, 47.9407



39.6914, 40.5059, 41.7888

Square

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



37.8927, 40.5059, 47.9407



39.8170, 40.5059, 45.8747



39.1130, 40.5059, 40.4777



37.2117, 40.5059, 42.3796

Rectangle

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



37.8927, 40.5059, 47.9407



39.1085, 40.5059, 47.9471



39.1130, 40.5059, 40.4777



37.8972, 40.5059, 40.4720

Sweetspot

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



37.8939, 40.5076, 47.9416



73.7446, 78.0370, 87.5571



38.1634, 42.4832, 43.6026



16.1675, 17.1346, 19.3774



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.8939, 40.5076, 47.9416



67.1500, 72.0152, 86.7423



36.5510, 37.8219, 47.4940



8.4519, 9.0499, 10.8077



9.5617, 9.9238, 31.5485



0.3561, 0.4227, 1.0111

Inverse Universe

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



38.9046, 38.6389, 44.4392



69.3459, 68.0045, 79.1220



40.5460, 43.2588, 40.8640



8.7033, 8.5880, 9.9359



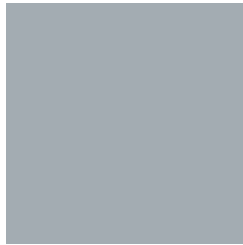
15.0610, 7.5419, 10.7469



0.5017, 0.2484, 0.4849

Previews

White Background



This preview shows how the XYZ color 37.8927, 40.5059, 47.9407 looks on a white background.

Color Contrast Check

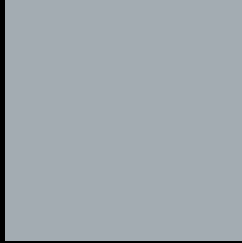
Large Text (above 18pt) WCAG AA × Fail

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 37.8927, 40.5059, 47.9407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

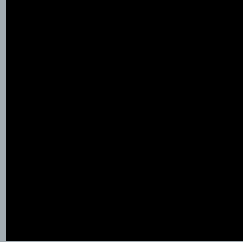
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8927, 40.5059, 47.9407

Background



This preview shows how black text looks on a background with the XYZ color 37.8927, 40.5059, 47.9407.



This preview shows how white text looks on a background with the XYZ color 37.8927, 40.5059,

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

37.8927, 40.5059, 47.9407

Protanopia

39.1370, 40.3209, 47.3149

Deuteranopia

41.1203, 40.2322, 48.2461



Tritanopia

38.6297, 40.5211, 51.6843

Trichromacy



Original Color

37.8927, 40.5059, 47.9407

Protanomaly

38.6727, 40.3588, 47.3467

Deuteranomaly

40.0438, 40.4900, 48.3526

Tritanomaly

38.3162, 40.3957, 50.0336

Monochromacy



Original Color

37.8927, 40.5059, 47.9407

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0421, 40.3584, 45.3201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8927, 40.5059, 47.9407 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 178) }
```

Border

The CSS property to change the border of an element to XYZ 37.8927, 40.5059, 47.9407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

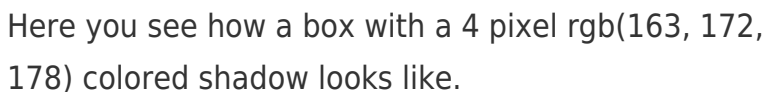
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 172, 178) }
```


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

```
.border{ border-color:rgb(163, 172, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8927, 40.5059, 47.9407 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, 178) }
```

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

```
.background{ background-color: rgb(163,  
172, 178) }
```

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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