

Converting Colors

XYZ(38.8368, 41.0042, 47.4627)

Have a look what the booklet for
XYZ(38.8368, 41.0042, 47.4627)
contains.

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Color

**XYZ(38.8368, 41.0042,
47.4627)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ACB1
RGB	168, 172, 177
RGB Percent	66%, 67%, 69%
CMY	0.3412, 0.3255, 0.3059
CMYK	0.05, 0.03, 0.00, 0.31
HSL	213°, 5%, 68%
HSV	213°, 5%, 69%
XYZ	38.8368, 41.0042, 47.4627
YIQ	171.3740, -3.9890, 0.7070

Conversions

Conversions Part 2

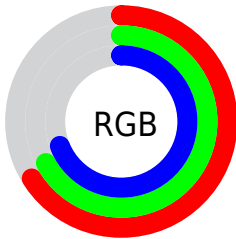
Format	Color
R _Y B	168, 171, 177
Decimal	11054257
CIE Lab	70.18, -0.43, -3.06
CIE LCh	70, 3.091, 261.928
Yxy	41.0042, 0.3051, 0.3221
Android (android.graphics.Color)	4289244337 (0xFFA8ACB1)
YUV	171.3740, 2.7736, -2.9590
Hunter-Lab	64.0345, -3.8005, 0.8781

Details

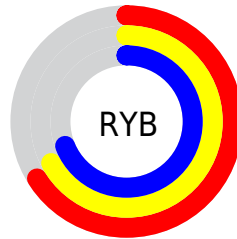
The XYZ color **38.8368, 41.0042, 47.4627** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1431, 42.0611, 43.0493**, and the grayscale version is **38.8856, 40.9107, 44.5518**.

A 20% lighter version of the original color is **72.6085, 76.5093, 88.0317**, and **17.5570, 18.6012, 21.7338** is the 20% darker color. If you saturate the color by 10%, you get **33.5205, 35.5897, 46.6984**, and if you desaturate by 10%, it is **44.8068, 46.9633, 48.2989**.

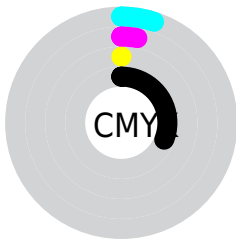
Distribution



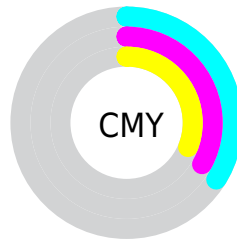
- Red (66%)
- Green (67%)
- Blue (69%)



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



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8368, 41.0042, 47.4627 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 38.8368, 41.0042, 47.4627 by changing the saturation by 10% instead.

■ 38.8368, 41.0042,
47.4627

■ 38.8368, 41.0042,
47.4627

332.4153,
350.3382, 393.1055

■ 26.8129, 28.3224,
33.0446

■ 72.6846, 76.6903,
87.7611

■ 17.5686, 18.5688,
21.8892

■ 95.2393, 100.4633,
114.4785

■ 10.7386, 11.3591,
13.5780

122.0349,
128.7022, 146.1327

■ 5.9573, 6.3089,
7.6924

153.4369,
161.7913, 183.1423

■ 2.8596, 3.0338,
3.8138

189.8106,
200.1151, 225.9259

■ 1.0799, 1.1494,
1.5238

231.5213,

■ 0.0082, 0.0198,

244.0579, 274.9019

0.2355

278.9344,
294.0041, 330.4889

■ 0.0000, 0.0000,
0.0000

■ 38.8368, 41.0042,
47.4627

■ 38.8368, 41.0042,
47.4627

■ 33.5205, 35.5897,
46.6984

■ 44.8068, 46.9633,
48.2989

■ 28.8307, 30.6980,
46.0014

■ 51.4492, 53.4776,
49.2062

■ 24.7437, 26.3135,
45.3705

■ 58.7864, 60.5639,
50.1873

■ 21.2325, 22.4175,
44.8036

■ 66.8387, 68.2366,
51.2439

■ 18.2682, 18.9902,
44.2983

■ 75.0706, 76.2238,
52.3517

■ 15.8191, 16.0102,
43.8522

■ 77.7443, 81.5710,
53.2429

■ 13.8498, 13.4538,
43.4625

■ 80.5724, 87.2273,
54.1856

■ 12.3199, 11.2947,
43.1264

■ 83.5574, 93.1973,
55.1806

■ 11.1804, 9.5016,
42.8404

■ 84.9359, 95.9544,
55.6401

Harmonies

Analogous

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



38.3764, 41.0042, 46.8763



38.8368, 41.0042, 47.4627



39.3377, 41.0042, 47.2817

Triad

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



38.8368, 41.0042, 47.4627



39.8828, 41.0042, 43.6141



38.2123, 41.0042, 42.9503

Complementary

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



38.8368, 41.0042, 47.4627



40.1431, 42.0611, 43.0493

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.



38.6110, 41.0042, 42.1113



38.8368, 41.0042, 47.4627



39.5763, 41.0042, 42.4887

Square

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



38.8368, 41.0042, 47.4627



39.9445, 41.0042, 45.0390



39.1100, 41.0042, 41.9442



38.0179, 41.0042, 44.2565

Rectangle

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



38.8368, 41.0042, 47.4627



39.6270, 41.0042, 46.7520



39.1100, 41.0042, 41.9442



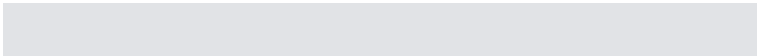
38.3267, 41.0042, 42.6054

Sweetspot

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



38.8380, 41.0059, 47.4636



72.6919, 76.5898, 85.4473



39.4093, 42.7850, 45.6917



15.7786, 16.6234, 18.5213



84.5950, 89.0005, 96.9216



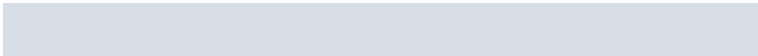
16.2198, 17.0645, 18.5832

Same Dimension

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



38.8380, 41.0059, 47.4636



68.5345, 72.4080, 84.8593



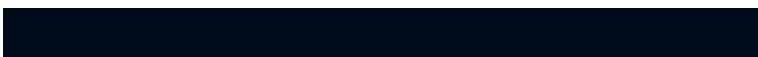
38.1836, 39.5546, 47.2180



8.6915, 9.1853, 10.8212



7.8196, 6.4397, 30.9678



0.3045, 0.3196, 0.9939

Inverse Universe

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



39.5814, 40.3318, 44.7304



70.1249, 70.9800, 79.0093



40.8198, 43.5665, 43.3042



8.9082, 8.9915, 10.0239



14.1816, 7.1902, 6.1165



0.4757, 0.2380, 0.3479

Previews

White Background



This preview shows how the XYZ color 38.8368, 41.0042, 47.4627 looks on a white background.

Color Contrast Check

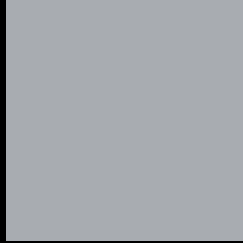
Large Text (above 18pt) WCAG AA × Fail

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 38.8368, 41.0042, 47.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

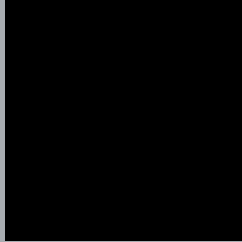
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

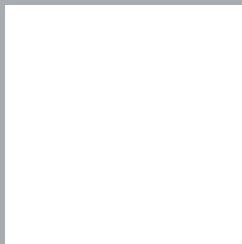
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8368, 41.0042, 47.4627

Background



This preview shows how black text looks on a background with the XYZ color 38.8368, 41.0042, 47.4627.



This preview shows how white text looks on a background with the XYZ color 38.8368, 41.0042,

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

38.8368, 41.0042, 47.4627

Protanopia

39.6330, 41.1446, 46.9271

Deuteranopia

41.6797, 40.8011, 47.7981



Tritanopia

39.5768, 41.0215, 51.1794

Trichromacy



Original Color

38.8368, 41.0042, 47.4627

Protanomaly

39.1940, 40.9183, 46.9066

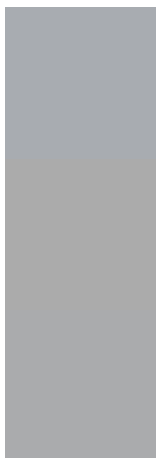
Deuteranomaly

40.6289, 40.8033, 47.8539

Tritanomaly

39.2656, 40.8970, 49.5405

Monochromacy



Original Color

38.8368, 41.0042, 47.4627

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 38.8368, 41.0042, 47.4627 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(168, 172, 177)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 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(168, 172, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.8368, 41.0042, 47.4627 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(168, 172, 177) }
```


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

```
.border{ border-color:rgb(168, 172, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 177);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8368, 41.0042, 47.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 177) }
```

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

```
.background{ background-color: rgb(168,  
172, 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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