

Converting Colors

XYZ(38.6217, 40.3671, 52.2948)

Have a look what the booklet for
XYZ(38.6217, 40.3671, 52.2948)
contains.

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Color

**XYZ(38.7357, 40.5635,
52.2423)**

Conversions

Conversions Part 1

Format	Color
Hex	A4ABBA
RGB	164, 171, 186
RGB Percent	64%, 67%, 73%
CMY	0.3569, 0.3294, 0.2706
CMYK	0.12, 0.08, 0.00, 0.27
HSL	221°, 14%, 69%
HSV	221°, 12%, 73%
XYZ	38.7357, 40.5635, 52.2423
YIQ	170.6170, -8.9870, 3.1810

Conversions

Conversions Part 2

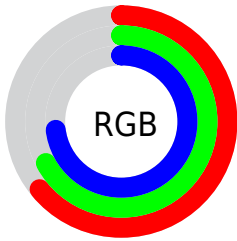
Format	Color
RYB	164, 169, 186
Decimal	10791866
CIELab	69.87, 0.58, -8.52
CIElCh	70, 8.543, 273.888
Yxy	40.5635, 0.2945, 0.3084
Android (android.graphics.Color)	4288981946 (0xFFA4ABBA)
YUV	170.6170, 7.5838, -5.8031
Hunter-Lab	63.6895, -2.8936, -4.0509

Details

The XYZ color **38.7357, 40.5635, 52.2423** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.0709, 45.3595, 41.6080**, and the grayscale version is **38.4841, 40.4883, 44.0917**.

A 20% lighter version of the original color is **72.4368, 75.8636, 94.8297**, and **17.5126, 18.3319, 24.8057** is the 20% darker color. If you saturate the color by 10%, you get **32.8932, 34.1659, 51.3160**, and if you desaturate by 10%, it is **45.3718, 47.7135, 53.2733**.

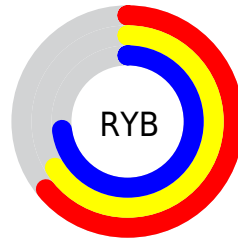
Distribution



Red (64%)

Green (67%)

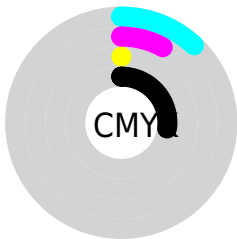
Blue (73%)



Red (64%)

Yellow (66%)

Blue (73%)

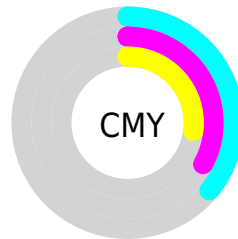


Cyan (12%)

Magenta (8%)

Yellow (0%)

Black (27%)



Cyan (36%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7357, 40.5635, 52.2423 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 38.7357, 40.5635, 52.2423 by changing the saturation by 10% instead.

■ 38.7357, 40.5635,
52.2423

■ 38.7357, 40.5635,
52.2423

331.9920,
348.4930, 412.3548

■ 26.7340, 27.9782,
36.8147

■ 72.5310, 76.0208,
94.9187

■ 17.5091, 18.3092,
24.7694

■ 95.0554, 99.6616,
123.0046

■ 10.6957, 11.1722,
15.6879

121.8180,
127.7564, 156.1469

■ 5.9284, 6.1828,
9.1516

153.1841,
160.6894, 194.7643

■ 2.8418, 2.9565,
4.7420

189.5193,
198.8452, 239.2752

■ 1.0707, 1.1091,
2.0406

231.1887,

■ 0.0004, 0.0000,

242.6081, 290.0983

0.5801

278.5579,
292.3626, 347.6520

■ 0.0000, 0.0000,
0.0000

■ 38.7357, 40.5635,
52.2423

■ 38.7357, 40.5635,
52.2423

■ 32.8932, 34.1659,
51.3160

■ 45.3718, 47.7135,
53.2733

■ 27.8100, 28.4902,
50.4884

■ 52.8269, 55.6349,
54.4093

■ 23.4545, 23.5112,
49.7569

■ 61.1296, 64.3525,
55.6544

■ 19.7915, 19.2003,
49.1179

■ 70.3062, 73.8880,
57.0113

■ 16.7825, 15.5266,
48.5674

■ 79.6410, 83.8811,
58.4481

■ 14.3853, 12.4567,
48.1012

■ 83.3895, 91.3780,
59.6976

■ 12.5519, 9.9534,
47.7146

■ 85.8630, 96.3252,
60.5222

■ 11.2263, 7.9744,
47.4025

■ 10.4374, 6.6939,
47.1969

Harmonies

Analogous

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



37.3913, 40.5635, 51.3939



38.7357, 40.5635, 52.2423



40.0621, 40.5635, 50.8224

Triad

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



38.7357, 40.5635, 52.2423



40.8132, 40.5635, 40.0395



36.2066, 40.5635, 40.8865

Complementary

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



38.7357, 40.5635, 52.2423



43.0709, 45.3595, 41.6080

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.



37.0850, 40.5635, 38.1191



38.7357, 40.5635, 52.2423



39.7413, 40.5635, 37.6511

Square

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



38.7357, 40.5635, 52.2423



41.2797, 40.5635, 43.6503



38.3736, 40.5635, 36.9695



35.9518, 40.5635, 44.6872

Rectangle

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



38.7357, 40.5635, 52.2423



40.7516, 40.5635, 48.8277



38.3736, 40.5635, 36.9695



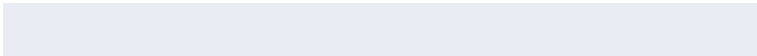
36.4377, 40.5635, 39.8122

Sweetspot

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



38.7369, 40.5652, 52.2432



79.4185, 83.4617, 96.1253



40.9725, 46.2522, 49.2401



17.2827, 18.1579, 21.1365



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.7369, 40.5652, 52.2432



67.5367, 70.6150, 94.2719



38.2168, 38.3853, 51.8498



8.7482, 9.1736, 11.3890



7.0824, 4.6245, 31.7724



0.3071, 0.2779, 1.1392

Inverse Universe

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



40.8768, 39.9312, 44.0831



72.1447, 69.3181, 76.6846



43.6307, 47.7845, 42.0466



9.1192, 9.0581, 9.9754



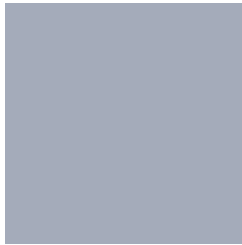
14.1886, 7.2492, 3.6138



0.5292, 0.2671, 0.2800

Previews

White Background



This preview shows how the XYZ color 38.7357, 40.5635, 52.2423 looks on a white background.

Color Contrast Check

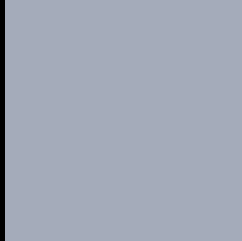
Large Text (above 18pt) WCAG AA × Fail

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 38.7357, 40.5635, 52.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

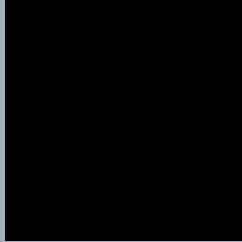
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7357, 40.5635, 52.2423

Background



This preview shows how black text looks on a background with the XYZ color 38.7357, 40.5635, 52.2423.

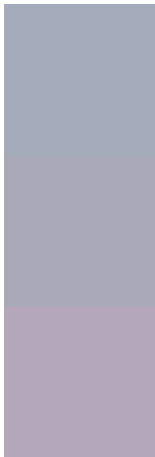


This preview shows how white text looks on a background with the XYZ color 38.7357, 40.5635,

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

38.7357, 40.5635, 52.2423

Protanopia

39.3071, 40.3137, 51.6086

Deuteranopia

41.4282, 40.5636, 52.6598



Tritanopia

38.6297, 40.5211, 51.6843

Trichromacy



Original Color

38.7357, 40.5635, 52.2423

Protanomaly

39.0680, 40.4677, 51.6509

Deuteranomaly

40.4278, 40.5918, 52.7179

Tritanomaly

38.6297, 40.5211, 51.6843

Monochromacy



Original Color

38.7357, 40.5635, 52.2423

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5478, 40.5852, 46.8763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7357, 40.5635, 52.2423 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(164, 171, 186)` looks like.

```
.text, #text, p{  
    color:rgb(164, 171, 186)  
}
```

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(164, 171, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 171, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.7357, 40.5635, 52.2423 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(164, 171, 186) }
```


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

```
.border{ border-color:rgb(164, 171, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 171, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 171, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 171, 186);  
box-shadow:4px 4px 4px 4px rgb(164, 171,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7357, 40.5635, 52.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 171, 186) }
```

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

```
.background{ background-color: rgb(164,  
171, 186) }
```

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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