

Converting Colors

XYZ(38.7299, 40.8975, 52.3579)

Have a look what the booklet for
XYZ(38.7299, 40.8975, 52.3579)
contains.

XYZ(38.7197, 40.8367, 52.2959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7197, 40.8367,
52.2959)**

Conversions

Conversions Part 1

Format	Color
Hex	A3ACBA
RGB	163, 172, 186
RGB Percent	64%, 67%, 73%
CMY	0.3608, 0.3255, 0.2706
CMYK	0.12, 0.08, 0.00, 0.27
HSL	217°, 14%, 68%
HSV	217°, 12%, 73%
XYZ	38.7197, 40.8367, 52.2959
YIQ	170.9050, -9.8580, 2.4460

Conversions

Conversions Part 2

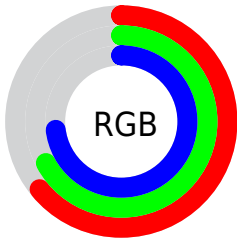
Format	Color
RYB	163, 169, 186
Decimal	10726586
CIELab	70.06, -0.30, -8.25
CIELCh	70, 8.251, 267.910
Yxy	40.8367, 0.2937, 0.3097
Android (android.graphics.Color)	4288916666 (0xFFA3ACBA)
YUV	170.9050, 7.4418, -6.9327
Hunter-Lab	63.9036, -3.6767, -3.7878

Details

The XYZ color **38.7197, 40.8367, 52.2959** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.5830, 44.5276, 41.0015**, and the grayscale version is **38.6293, 40.6411, 44.2581**.

A 20% lighter version of the original color is **72.4095, 76.2544, 94.9066**, and **17.5057, 18.5059, 24.8397** is the 20% darker color. If you saturate the color by 10%, you get **33.1246, 34.8901, 51.4436**, and if you desaturate by 10%, it is **45.0609, 47.4426, 53.2374**.

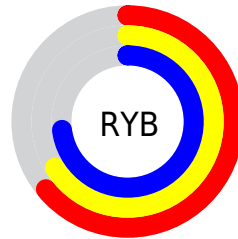
Distribution



Red (64%)

Green (67%)

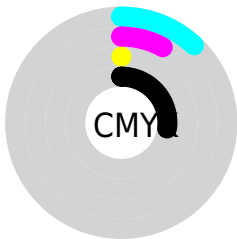
Blue (73%)



Red (64%)

Yellow (66%)

Blue (73%)

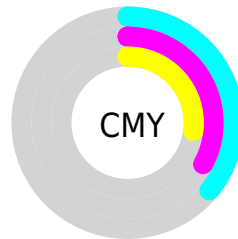


Cyan (12%)

Magenta (8%)

Yellow (0%)

Black (27%)



Cyan (36%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7197, 40.8367, 52.2959 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 38.7197, 40.8367, 52.2959 by changing the saturation by 10% instead.

■ 38.7197, 40.8367,
52.2959

■ 38.7197, 40.8367,
52.2959

331.9250,
349.6376, 412.5673

■ 26.7215, 28.1915,
36.8571

■ 72.5067, 76.4359,
94.9985

■ 17.4997, 18.4701,
24.8020

■ 95.0263, 100.1588,
123.0994

■ 10.6889, 11.2880,
15.7119

121.7836,
128.3429, 156.2581

■ 5.9238, 6.2609,
9.1684

153.1441,
161.3728, 194.8931

■ 2.8390, 3.0044,
4.7529

189.4732,
199.6329, 239.4230

■ 1.0692, 1.1340,
2.0468

231.1361,

■ 0.0000, 0.0068,

243.5074, 290.2663

0.5838

278.4983,
293.3809, 347.8416

■ 0.0000, 0.0000,
0.0000

■ 38.7197, 40.8367,
52.2959

■ 38.7197, 40.8367,
52.2959

■ 33.1246, 34.8901,
51.4436

■ 45.0609, 47.4426,
53.2374

■ 28.2431, 29.5759,
50.6752

■ 52.1719, 54.7232,
54.2679

■ 24.0454, 24.8730,
49.9887

■ 60.0796, 62.6998,
55.3908

■ 20.4984, 20.7568,
49.3811

■ 68.8087, 71.3913,
56.6083

■ 17.5658, 17.2011,
48.8493

■ 78.0129, 80.6249,
57.9055

■ 15.2073, 14.1769,
48.3899

■ 81.2408, 87.0807,
58.9814

■ 13.3775, 11.6525,
47.9991

■ 84.6765, 93.9522,
60.1267

■ 12.0228, 9.5912,
47.6726

■ 85.8630, 96.3252,
60.5222

■ 11.2325, 8.2842,
47.4620

Harmonies

Analogous

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



37.4544, 40.8367, 51.0488



38.7197, 40.8367, 52.2959



40.0390, 40.8367, 51.3459

Triad

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



38.7197, 40.8367, 52.2959



41.1479, 40.8367, 41.0819



36.6610, 40.8367, 40.6392

Complementary

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



38.7197, 40.8367, 52.2959



42.5830, 44.5276, 41.0015

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.



37.6144, 40.8367, 38.2266



38.7197, 40.8367, 52.2959



40.2062, 40.8367, 38.4717

Square

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



38.7197, 40.8367, 52.2959



41.4601, 40.8367, 44.7352



38.9086, 40.8367, 37.4563



36.2830, 40.8367, 44.1943

Rectangle

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



38.7197, 40.8367, 52.2959



40.7679, 40.8367, 49.6235



38.9086, 40.8367, 37.4563



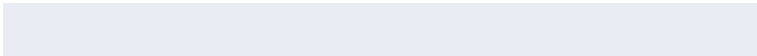
36.9237, 40.8367, 39.6756

Sweetspot

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



38.7209, 40.8384, 52.2968



79.6225, 83.8697, 96.1933



40.5798, 46.0714, 48.2452



17.3357, 18.2638, 21.1541



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.



38.7209, 40.8384, 52.2968



67.1225, 70.7924, 94.3280



37.5404, 37.7720, 51.7671



8.8017, 9.2806, 11.4069



7.6252, 5.7100, 31.9533



0.3296, 0.3229, 1.1467

Inverse Universe

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



40.7942, 39.6130, 44.5276



71.6902, 68.1965, 77.1887



43.8658, 47.9162, 41.5879



9.1463, 9.0689, 10.1176



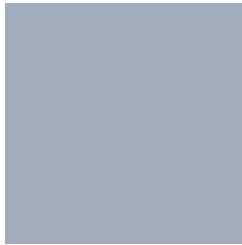
14.4625, 7.3588, 5.0564



0.5405, 0.2717, 0.3399

Previews

White Background



This preview shows how the XYZ color 38.7197, 40.8367, 52.2959 looks on a white background.

Color Contrast Check

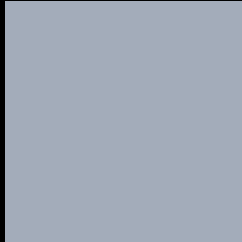
Large Text (above 18pt) WCAG AA × Fail

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 38.7197, 40.8367, 52.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

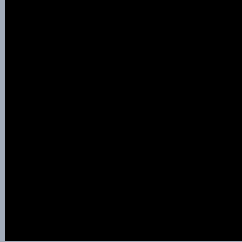
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7197, 40.8367, 52.2959

Background



This preview shows how black text looks on a background with the XYZ color 38.7197, 40.8367, 52.2959.

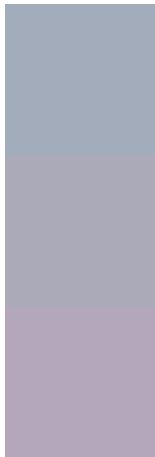


This preview shows how white text looks on a background with the XYZ color 38.7197, 40.8367,

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

38.7197, 40.8367, 52.2959

Protanopia

39.7092, 40.7983, 51.6809

Deuteranopia

41.4282, 40.5636, 52.6598



Tritanopia

38.7197, 40.8367, 52.2959

Trichromacy



Original Color

38.7197, 40.8367, 52.2959

Protanomaly

39.2562, 40.8441, 51.7136

Deuteranomaly

40.4278, 40.5918, 52.7179

Tritanomaly

38.7197, 40.8367, 52.2959

Monochromacy



Original Color

38.7197, 40.8367, 52.2959

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 38.7197, 40.8367, 52.2959 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 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(163, 172, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.7197, 40.8367, 52.2959 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, 186) }
```


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

```
.border{ border-color:rgb(163, 172, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7197, 40.8367, 52.2959 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, 186) }
```

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

```
.background{ background-color: rgb(163,  
172, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor