

Converting Colors

XYZ(40.3228, 37.9963, 79.6664)

Have a look what the booklet for
XYZ(40.3228, 37.9963, 79.6664)
contains.

XYZ(40.2142, 38.0169, 79.3472)	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(40.2142, 38.0169,
79.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	9AA1E5
RGB	154, 161, 229
RGB Percent	60%, 63%, 90%
CMY	0.3961, 0.3686, 0.1020
CMYK	0.33, 0.30, 0.00, 0.10
HSL	234°, 59%, 75%
HSV	234°, 33%, 90%
XYZ	40.2142, 38.0169, 79.3472
YIQ	166.6590, -26.0000, 19.6640

Conversions

Conversions Part 2

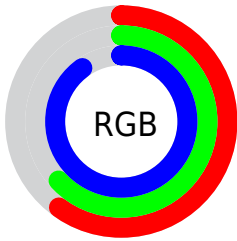
Format	Color
RYB	154, 160, 229
Decimal	10133989
CIELab	68.03, 13.15, -35.09
CIELCh	68, 37.477, 290.542
Yxy	38.0169, 0.2552, 0.2413
Android (android.graphics.Color)	4288324069 (0xFF9AA1E5)
YUV	166.6590, 30.7341, -11.1019
Hunter-Lab	61.6578, 8.5192, -33.1395

Details

The XYZ color **40.2142, 38.0169, 79.3472** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.2681, 71.2348, 40.9359**, and the grayscale version is **36.4304, 38.3276, 41.7387**.

A 20% lighter version of the original color is **69.1842, 70.0334, 104.4791**, and **18.3743, 16.8783, 41.8246** is the 20% darker color. If you saturate the color by 10%, you get **32.9323, 29.3172, 78.0525**, and if you desaturate by 10%, it is **48.9326, 48.3531, 80.8835**.

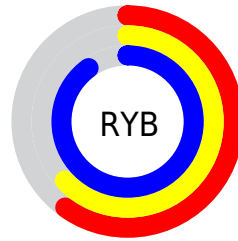
Distribution



Red (60%)

Green (63%)

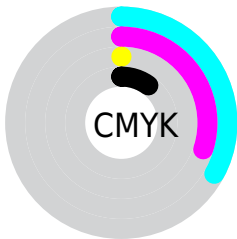
Blue (90%)



Red (60%)

Yellow (63%)

Blue (90%)

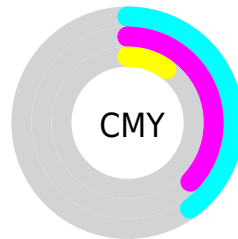


Cyan (33%)

Magenta (30%)

Yellow (0%)

Black (10%)



Cyan (40%)

Magenta (37%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2142, 38.0169, 79.3472 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 40.2142, 38.0169, 79.3472 by changing the saturation by 10% instead.

■ 40.2142, 38.0169,
79.3472

■ 40.2142, 38.0169,
79.3472

338.1445,
337.6925, 512.3788

■ 27.8905, 25.9958,
58.6583

■ 74.7718, 72.1340,
134.2506

■ 18.3832, 16.8205,
41.9199

■ 97.7366, 94.9989,
169.3023

■ 11.3268, 10.1066,
28.7135

124.9790,
122.2471, 209.9785

■ 6.3560, 5.4697,
18.6205

156.8645,
154.2631, 256.6980

■ 3.1054, 2.5254,
11.2223

193.7585,
191.4312, 309.8792

■ 1.2098, 0.8893,
6.1005

236.0262,

■ 0.1141, 0.0000,

234.1359, 369.9407

2.8365

284.0331,
282.7615, 437.3011

■ 0.0000, 0.0000,
1.0118

■ 0.0000, 0.0000,
0.0000

■ 40.2142, 38.0169,
79.3472

■ 40.2142, 38.0169,
79.3472

■ 32.9323, 29.3172,
78.0525

■ 48.9326, 48.3531,
80.8835

■ 27.0059, 22.1656,
76.9844

■ 59.1549, 60.3992,
82.6698

■ 22.3517, 16.4724,
76.1308

■ 70.9490, 74.2295,
84.7177

■ 18.8759, 12.1363,
75.4771

■ 84.3774, 89.9127,
87.0371

■ 16.4713, 9.0433,
75.0068

■ 91.1430, 98.4372,
88.3259

■ 15.0110, 7.0604,
74.7010

■ 14.4180, 6.2073,
74.5676

Harmonies

Analogous

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



34.3221, 38.0169, 81.8511



40.2142, 38.0169, 79.3472



45.5039, 38.0169, 65.3472

Triad

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



40.2142, 38.0169, 79.3472



43.7407, 38.0169, 21.2164



26.1611, 38.0169, 36.3368

Complementary

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



40.2142, 38.0169, 79.3472



64.2681, 71.2348, 40.9359

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.



28.1475, 38.0169, 24.1521



40.2142, 38.0169, 79.3472



38.0085, 38.0169, 17.1057

Square

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



40.2142, 38.0169, 79.3472



47.6872, 38.0169, 31.1146



32.3394, 38.0169, 18.0122



26.6159, 38.0169, 53.7194

Rectangle

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



40.2142, 38.0169, 79.3472



47.7746, 38.0169, 53.0425



32.3394, 38.0169, 18.0122



26.5567, 38.0169, 31.5893

Sweetspot

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



40.2155, 38.0184, 79.3481



79.3457, 81.6060, 106.1773



54.4647, 68.1567, 79.0422



16.5464, 16.9541, 22.6503



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.2155, 38.0184, 79.3481



45.0981, 41.0926, 100.1625



45.4670, 38.9603, 79.2531



13.6905, 14.1023, 18.1448



8.2814, 3.6249, 42.6464



0.6492, 0.3423, 3.1638

Inverse Universe

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



50.3029, 42.3439, 39.2415



59.8293, 47.5967, 41.5506



57.4063, 70.5147, 41.1585



14.4313, 14.3897, 15.2059



18.5736, 9.5636, 1.3835



1.3913, 0.7142, 0.2012

Previews

White Background



This preview shows how the XYZ color 40.2142, 38.0169, 79.3472 looks on a white background.

Color Contrast Check

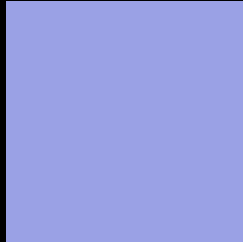
Large Text (above 18pt) WCAG AA × Fail

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 40.2142, 38.0169, 79.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

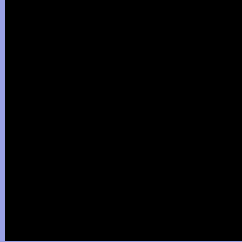
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2142, 38.0169, 79.3472

Background



This preview shows how black text looks on a background with the XYZ color 40.2142, 38.0169, 79.3472.



This preview shows how white text looks on a background with the XYZ color 40.2142, 38.0169,

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

40.2142, 38.0169, 79.3472

Protanopia

39.1981, 37.9836, 80.8669

Deuteranopia

38.9561, 38.1721, 78.7135



Tritanopia

34.4236, 38.0976, 50.3390

Trichromacy



Original Color

40.2142, 38.0169, 79.3472

Protanomaly

39.4160, 37.8497, 80.0912

Deuteranomaly

39.3135, 38.0917, 78.6792

Tritanomaly

36.4568, 38.1035, 60.0768

Monochromacy



Original Color

40.2142, 38.0169, 79.3472

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6497, 38.3094, 54.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2142, 38.0169, 79.3472 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(154, 161, 229)` looks like.

```
.text, #text, p{  
    color:rgb(154, 161, 229)  
}
```

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(154, 161, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 161, 229) }
```

Border

The CSS property to change the border of an element to XYZ 40.2142, 38.0169, 79.3472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

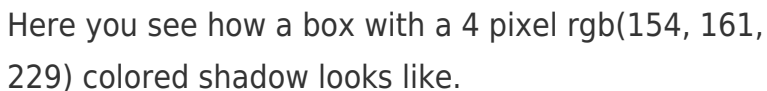
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 161, 229) }
```


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

```
.border{ border-color:rgb(154, 161, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(154, 161, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 161, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 161, 229); box-shadow:4px 4px 4px 4px rgb(154, 161, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2142, 38.0169, 79.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 161, 229) }
```

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

```
.background{ background-color: rgb(154,  
161, 229) }
```

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