

Converting Colors

XYZ(39.0794, 37.5601, 81.8754)

Have a look what the booklet for
XYZ(39.0794, 37.5601, 81.8754)
contains.

XYZ(38.9874, 37.5961, 81.5459)	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(38.9874, 37.5961,
81.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	90A2E8
RGB	144, 162, 232
RGB Percent	56%, 64%, 91%
CMY	0.4353, 0.3647, 0.0902
CMYK	0.38, 0.30, 0.00, 0.09
HSL	228°, 66%, 74%
HSV	228°, 38%, 91%
XYZ	38.9874, 37.5961, 81.5459
YIQ	164.5980, -33.1980, 17.9540

Conversions

Conversions Part 2

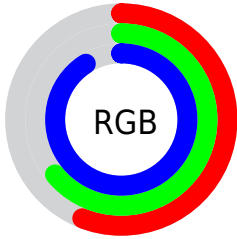
Format	Color
RYB	144, 159, 232
Decimal	9478888
CIELab	67.72, 10.64, -37.28
CIELCh	68, 38.765, 285.924
Yxy	37.5961, 0.2466, 0.2378
Android (android.graphics.Color)	4287668968 (0xFF90A2E8)
YUV	164.5980, 33.2292, -18.0644
Hunter-Lab	61.3157, 6.1964, -35.9309

Details

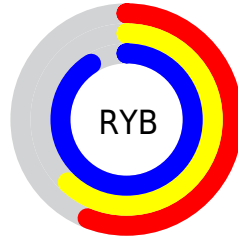
The XYZ color **38.9874, 37.5961, 81.5459** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.3605, 67.2639, 36.0836**, and the grayscale version is **35.4304, 37.2755, 40.5931**.

A 20% lighter version of the original color is **66.6823, 69.1251, 104.4357**, and **17.7374, 16.6771, 43.3584** is the 20% darker color. If you saturate the color by 10%, you get **32.3282, 29.6869, 80.3709**, and if you desaturate by 10%, it is **46.9589, 46.8915, 82.9206**.

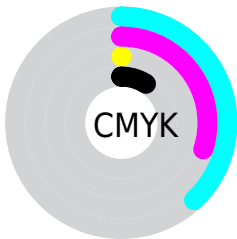
Distribution



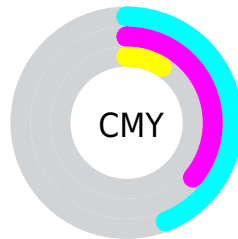
- Red (56%)
- Green (64%)
- Blue (91%)



- Red (56%)
- Yellow (62%)
- Blue (91%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9874, 37.5961, 81.5459 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 38.9874, 37.5961, 81.5459 by changing the saturation by 10% instead.

■ 38.9874, 37.5961,
81.5459

■ 38.9874, 37.5961,
81.5459

333.0450,
335.8842, 519.9710

■ 26.9306, 25.6694,
60.4577

■ 72.9133, 71.4886,
137.3680

■ 17.6574, 16.5765,
43.3599

■ 95.5130, 94.2232,
172.9389

■ 10.8025, 9.9330,
29.8341

122.3579,
121.3292, 214.1745

■ 6.0005, 5.3545,
19.4617

153.8131,
153.1910, 261.4932

■ 2.8861, 2.4568,
11.8242

190.2440,
190.1930, 315.3137

■ 1.0938, 0.8549,
6.5030

232.0161,

■ 0.0199, 0.0000,

232.7196, 376.0545

3.0796

279.4947,
281.1552, 444.1341

■ 0.0000, 0.0000,
1.1354

■ 0.0000, 0.0000,
0.0000

■ 38.9874, 37.5961,
81.5459

■ 38.9874, 37.5961,
81.5459

■ 32.3282, 29.6869,
80.3709

■ 46.9589, 46.8915,
82.9206

■ 26.9054, 23.0918,
79.3838

■ 56.3051, 57.6320,
84.5012

■ 22.6409, 17.7383,
78.5752

■ 67.0894, 69.8780,
86.2965

■ 19.4460, 13.5450,
77.9342

■ 79.3695, 83.6854,
88.3144

■ 17.2178, 10.4197,
77.4484

■ 91.3353, 98.1455,
90.4748

■ 15.8216, 8.2489,
77.1030

■ 91.5656, 98.6063,
90.5516

■ 15.6004, 7.8957,
77.0465

Harmonies

Analogous

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



33.0057, 37.5961, 81.9823



38.9874, 37.5961, 81.5459



44.6619, 37.5961, 68.4300

Triad

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



38.9874, 37.5961, 81.5459



44.3580, 37.5961, 21.5195



25.6874, 37.5961, 33.4269

Complementary

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



38.9874, 37.5961, 81.5459



62.3605, 67.2639, 36.0836

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.



28.0829, 37.5961, 22.0130



38.9874, 37.5961, 81.5459



38.6086, 37.5961, 16.5553

Square

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



38.9874, 37.5961, 81.5459



47.9912, 37.5961, 32.5378



32.6668, 37.5961, 16.7062



25.7646, 37.5961, 50.6671

Rectangle

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



38.9874, 37.5961, 81.5459



47.3128, 37.5961, 55.9181



32.6668, 37.5961, 16.7062



26.2175, 37.5961, 28.9015

Sweetspot

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



38.9887, 37.5975, 81.5468



78.7633, 81.6437, 106.2153



52.3611, 68.4442, 73.3588



16.4625, 17.0259, 22.6686



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.



38.9887, 37.5975, 81.5468



41.3479, 38.3302, 99.8269



40.8880, 34.2019, 80.7913



13.8204, 14.3623, 18.1881



8.7326, 4.5273, 42.7968



0.7108, 0.4655, 3.1844

Inverse Universe

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



49.7747, 39.7124, 39.2255



56.7798, 41.9487, 39.1436



59.6425, 73.0028, 37.3346



14.4969, 14.4160, 15.5513



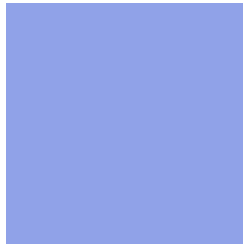
18.8013, 9.6547, 2.5828



1.4224, 0.7267, 0.3649

Previews

White Background



This preview shows how the XYZ color 38.9874, 37.5961, 81.5459 looks on a white background.

Color Contrast Check

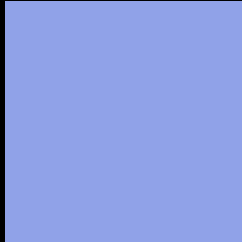
Large Text (above 18pt) WCAG AA × Fail

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 38.9874, 37.5961, 81.5459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

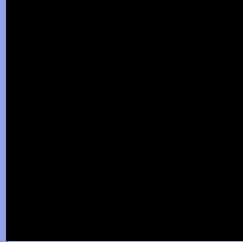
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9874, 37.5961, 81.5459

Background



This preview shows how black text looks on a background with the XYZ color 38.9874, 37.5961, 81.5459.



This preview shows how white text looks on a background with the XYZ color 38.9874, 37.5961,

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

38.9874, 37.5961, 81.5459

Protanopia

38.8135, 37.5065, 81.5377

Deuteranopia

38.6472, 37.6833, 81.5806



Tritanopia

32.9927, 37.6151, 51.4205

Trichromacy



Original Color

38.9874, 37.5961, 81.5459

Protanomaly

38.8135, 37.5065, 81.5377

Deuteranomaly

38.8180, 37.7714, 81.5886

Tritanomaly

34.9798, 37.5879, 61.2887

Monochromacy



Original Color

38.9874, 37.5961, 81.5459

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.3654, 37.3931, 53.4450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9874, 37.5961, 81.5459 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(144, 162, 232)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 232)  
}
```

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(144, 162, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 232) }
```

Border

The CSS property to change the border of an element to XYZ 38.9874, 37.5961, 81.5459 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(144, 162, 232) }
```


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

```
.border{ border-color:rgb(144, 162, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 232);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9874, 37.5961, 81.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 232) }
```

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

```
.background{ background-color: rgb(144,  
162, 232) }
```

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