

Converting Colors

XYZ(38.5648, 37.4271, 79.3203)

Have a look what the booklet for
XYZ(38.5648, 37.4271, 79.3203)
contains.

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Color

**XYZ(38.5648, 37.4271,
79.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	90A2E5
RGB	144, 162, 229
RGB Percent	56%, 64%, 90%
CMY	0.4353, 0.3647, 0.1020
CMYK	0.37, 0.29, 0.00, 0.10
HSL	227°, 62%, 73%
HSV	227°, 37%, 90%
XYZ	38.5648, 37.4271, 79.3203
YIQ	164.2560, -32.2350, 17.0210

Conversions

Conversions Part 2

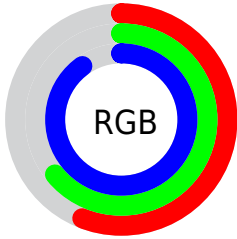
Format	Color
RYB	144, 159, 229
Decimal	9478885
CIELab	67.60, 9.83, -35.83
CIElCh	68, 37.151, 285.343
Yxy	37.4271, 0.2483, 0.2410
Android (android.graphics.Color)	4287668965 (0xFF90A2E5)
YUV	164.2560, 31.9188, -17.7645
Hunter-Lab	61.1777, 5.4607, -34.0484

Details

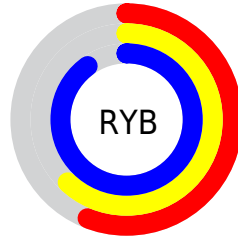
The XYZ color **38.5648, 37.4271, 79.3203** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.6424, 65.2613, 35.7876**, and the grayscale version is **35.2733, 37.1102, 40.4131**.

A 20% lighter version of the original color is **66.6823, 69.1251, 104.4357**, and **17.4437, 16.5597, 41.8121** is the 20% darker color. If you saturate the color by 10%, you get **32.0087, 29.6617, 78.1676**, and if you desaturate by 10%, it is **46.3911, 46.5264, 80.6648**.

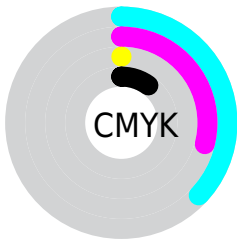
Distribution



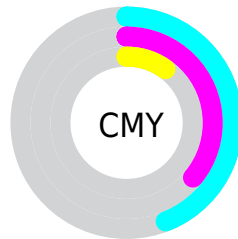
- Red (56%)
- Green (64%)
- Blue (90%)



- Red (56%)
- Yellow (62%)
- Blue (90%)



- Cyan (37%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)



- Cyan (44%)
- Magenta (36%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5648, 37.4271, 79.3203 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 38.5648, 37.4271, 79.3203 by changing the saturation by 10% instead.

■ 38.5648, 37.4271,
79.3203

■ 38.5648, 37.4271,
79.3203

331.2758,
335.1559, 512.2855

■ 26.6005, 25.5383,
58.6363

■ 72.2713, 71.2292,
134.2124

■ 17.4085, 16.4786,
41.9023

■ 94.7443, 93.9113,
169.2577

■ 10.6233, 9.8635,
28.6998

121.4509,
120.9600, 209.9271

■ 5.8795, 5.3085,
18.6102

152.7565,
152.7597, 256.6392

■ 2.8119, 2.4294,
11.2150

189.0265,
189.6947, 309.8125

■ 1.0551, 0.8410,
6.0957

230.6261,

■ 0.0000, 0.0000,

232.1495, 369.8657

2.8336

277.9207,
280.5084, 437.2171

■ 0.0000, 0.0000,
1.0103

■ 0.0000, 0.0000,
0.0000

■ 38.5648, 37.4271,
79.3203

■ 38.5648, 37.4271,
79.3203

■ 32.0087, 29.6617,
78.1676

■ 46.3911, 46.5264,
80.6648

■ 26.6502, 23.1617,
77.1955

■ 55.5472, 57.0150,
82.2068

■ 22.4153, 17.8590,
76.3951

■ 66.0934, 68.9504,
83.9547

■ 19.2193, 13.6766,
75.7563

■ 78.0852, 82.3853,
85.9158

■ 16.9652, 10.5282,
75.2674

■ 90.2740, 96.6993,
88.0363

■ 15.5308, 8.3102,
74.9149

■ 91.1430, 98.4372,
88.3259

■ 15.2202, 7.8117,
74.8350

Harmonies

Analogous

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



32.8612, 37.4271, 79.4725



38.5648, 37.4271, 79.3203



43.9881, 37.4271, 67.1554

Triad

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



38.5648, 37.4271, 79.3203



43.8810, 37.4271, 22.1951



25.9548, 37.4271, 33.2868

Complementary

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



38.5648, 37.4271, 79.3203



60.6424, 65.2613, 35.7876

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.



28.3066, 37.4271, 22.3734



38.5648, 37.4271, 79.3203



38.4308, 37.4271, 17.2357

Square

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



38.5648, 37.4271, 79.3203



47.2743, 37.4271, 32.9697



32.7407, 37.4271, 17.2907



25.9825, 37.4271, 49.6711

Rectangle

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



38.5648, 37.4271, 79.3203



46.5394, 37.4271, 55.3626



32.7407, 37.4271, 17.2907



26.4813, 37.4271, 28.9683

Sweetspot

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



38.5661, 37.4285, 79.3212



78.8205, 81.7583, 106.2344



51.2277, 66.6511, 71.5205



16.4760, 17.0530, 22.6731



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.



38.5661, 37.4285, 79.3212



42.2814, 39.5653, 100.0161



40.2837, 33.9392, 78.5571



13.8289, 14.3793, 18.1909



8.7729, 4.6079, 42.8102



0.7149, 0.4738, 3.1857

Inverse Universe

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



48.8091, 39.2146, 39.1804



57.4053, 42.7896, 40.6164



58.2082, 71.0204, 37.0275



14.5012, 14.4177, 15.5740



18.8217, 9.6629, 2.6899



1.4245, 0.7275, 0.3759

Previews

White Background



This preview shows how the XYZ color 38.5648, 37.4271, 79.3203 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 38.5648, 37.4271, 79.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

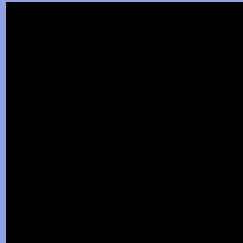
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5648, 37.4271, 79.3203

Background



This preview shows how black text looks on a background with the XYZ color 38.5648, 37.4271, 79.3203.



This preview shows how white text looks on a background with the XYZ color 38.5648, 37.4271,

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

38.5648, 37.4271, 79.3203

Protanopia

38.5648, 37.4271, 79.3203

Deuteranopia

38.3909, 37.3374, 79.3122



Tritanopia

32.8875, 37.5731, 50.8664

Trichromacy



Original Color

38.5648, 37.4271, 79.3203

Protanomaly

38.5648, 37.4271, 79.3203

Deuteranomaly

38.3909, 37.3374, 79.3122

Tritanomaly

34.7445, 37.4938, 60.0494

Monochromacy



Original Color

38.5648, 37.4271, 79.3203

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.0789, 36.9933, 52.8158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5648, 37.4271, 79.3203 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 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(144, 162, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 229) }
```

Border

The CSS property to change the border of an element to XYZ 38.5648, 37.4271, 79.3203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

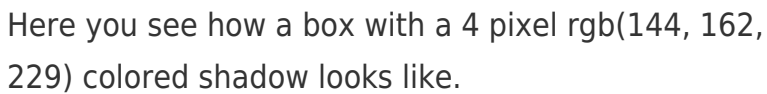
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 162, 229) }
```


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

```
.border{ border-color:rgb(144, 162, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 162, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 162, 229); box-shadow:4px 4px 4px 4px rgb(144, 162, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5648, 37.4271, 79.3203 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, 229) }
```

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

```
.background{ background-color: rgb(144,  
162, 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](#).

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