

Converting Colors

XYZ(37.4918, 38.4209, 63.7336)

Have a look what the booklet for
XYZ(37.4918, 38.4209, 63.7336)
contains.

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Color

**XYZ(37.5370, 38.5777,
63.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	96A7CE
RGB	150, 167, 206
RGB Percent	59%, 65%, 81%
CMY	0.4118, 0.3451, 0.1922
CMYK	0.27, 0.19, 0.00, 0.19
HSL	222°, 36%, 70%
HSV	222°, 27%, 81%
XYZ	37.5370, 38.5777, 63.8603
YIQ	166.3630, -22.6510, 8.5250

Conversions

Conversions Part 2

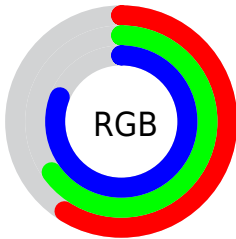
Format	Color
RYB	150, 163, 206
Decimal	9873358
CIELab	68.44, 2.86, -21.82
CIElCh	68, 22.005, 277.459
Yxy	38.5777, 0.2682, 0.2756
Android (android.graphics.Color)	4288063438 (0xFF96A7CE)
YUV	166.3630, 19.5410, -14.3504
Hunter-Lab	62.1109, -0.8170, -17.4822

Details

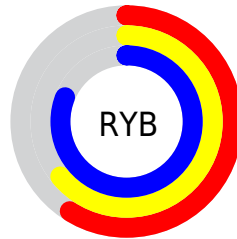
The XYZ color **37.5370, 38.5777, 63.8603** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.1568, 51.7195, 36.2474**, and the grayscale version is **36.3383, 38.2308, 41.6333**.

A 20% lighter version of the original color is **69.3481, 72.4417, 104.9353**, and **16.8352, 17.1251, 32.1239** is the 20% darker color. If you saturate the color by 10%, you get **31.5905, 31.8254, 62.8711**, and if you desaturate by 10%, it is **44.4439, 46.2597, 64.9797**.

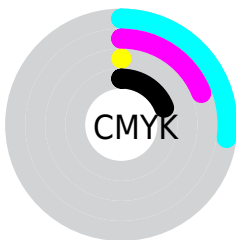
Distribution



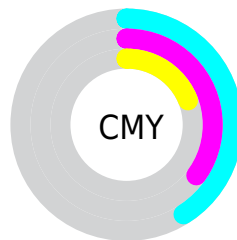
- Red (59%)
- Green (65%)
- Blue (81%)



- Red (59%)
- Yellow (64%)
- Blue (81%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5370, 38.5777, 63.8603 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 37.5370, 38.5777, 63.8603 by changing the saturation by 10% instead.

■ 37.5370, 38.5777,
63.8603

■ 37.5370, 38.5777,
63.8603

326.9449,
340.0917, 456.8786

■ 25.7991, 26.4314,
46.0921

■ 70.7064, 72.9927,
112.0073

■ 16.8053, 17.1466,
31.9693

■ 92.8686, 96.0302,
143.2231

■ 10.1902, 10.3391,
21.0734

119.2364,
123.4669, 179.7585

■ 5.5885, 5.6244,
12.9859

150.1750,
155.6871, 222.0320

■ 2.6348, 2.6180,
7.2882

186.0498,
193.0754, 270.4623

■ 0.9637, 0.9357,
3.5618

227.2261,

■ 0.0000, 0.0000,

236.0159, 325.4678

1.3882

274.0694,
284.8932, 387.4670

■ 0.0000, 0.0000,
0.1325

■ 0.0000, 0.0000,
0.0000

■ 37.5370, 38.5777,
63.8603

■ 37.5370, 38.5777,
63.8603

■ 31.5905, 31.8254,
62.8711

■ 44.4439, 46.2597,
64.9797

■ 26.5563, 25.9613,
62.0045

■ 52.3490, 54.9016,
66.2311

■ 22.3877, 20.9474,
61.2564

■ 61.2922, 64.5379,
67.6197

■ 19.0319, 16.7408,
60.6213

■ 71.3105, 75.1996,
69.1496

■ 16.4299, 13.2943,
60.0932

■ 82.4386, 86.9169,
70.8248

■ 14.5140, 10.5552,
59.6655

■ 87.5312, 96.0174,
72.3129

■ 13.1956, 8.4583,
59.3303

■ 88.1407, 97.2363,
72.5161

■ 12.8928, 7.9605,
59.2501

Harmonies

Analogous

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



34.1762, 38.5777, 62.1648



37.5370, 38.5777, 63.8603



40.8620, 38.5777, 59.0090

Triad

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



37.5370, 38.5777, 63.8603



42.2032, 38.5777, 31.4534



30.8614, 38.5777, 35.1183

Complementary

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



37.5370, 38.5777, 63.8603



49.1568, 51.7195, 36.2474

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.



32.7693, 38.5777, 28.6276



37.5370, 38.5777, 63.8603



39.2758, 38.5777, 26.7553

Square

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



37.5370, 38.5777, 63.8603



43.6640, 38.5777, 39.5804



35.8104, 38.5777, 25.8088



30.4604, 38.5777, 44.5257

Rectangle

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



37.5370, 38.5777, 63.8603



42.5636, 38.5777, 53.1047



35.8104, 38.5777, 25.8088



31.3417, 38.5777, 32.5701

Sweetspot

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



37.5382, 38.5792, 63.8612



83.5731, 87.6024, 107.1119



43.7558, 54.2698, 55.8976



17.4526, 18.2769, 22.8579



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.



37.5382, 38.5792, 63.8612



54.6415, 55.5203, 102.4443



36.5986, 33.7712, 62.9827



10.8749, 11.3901, 14.1957



8.0144, 5.0527, 36.5091



0.4807, 0.3952, 1.9059

Inverse Universe

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



43.3360, 37.7257, 41.5586



65.7837, 54.3328, 59.4820



50.2728, 58.0454, 37.4096



11.3502, 11.2688, 12.3787



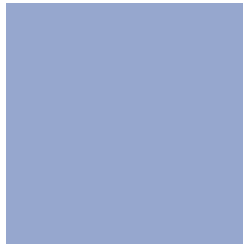
16.2562, 8.3131, 3.8017



0.8726, 0.4424, 0.3749

Previews

White Background



This preview shows how the XYZ color 37.5370, 38.5777, 63.8603 looks on a white background.

Color Contrast Check

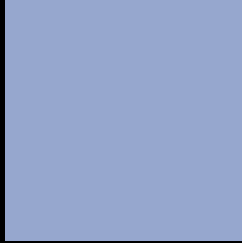
Large Text (above 18pt) WCAG AA × Fail

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 37.5370, 38.5777, 63.8603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

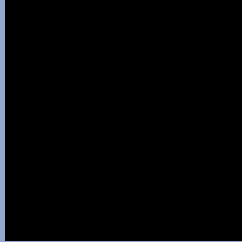
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5370, 38.5777, 63.8603

Background



This preview shows how black text looks on a background with the XYZ color 37.5370, 38.5777, 63.8603.



This preview shows how white text looks on a background with the XYZ color 37.5370, 38.5777,

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

37.5370, 38.5777, 63.8603

Protanopia

38.5751, 38.5871, 63.1725

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

35.0687, 38.6975, 50.9684

Trichromacy



Original Color

37.5370, 38.5777, 63.8603

Protanomaly

38.1732, 38.6488, 63.2056

Deuteranomaly

38.6385, 38.3250, 64.3925

Tritanomaly

35.9218, 38.7583, 55.4570

Monochromacy



Original Color

37.5370, 38.5777, 63.8603

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4739, 38.0822, 49.1443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5370, 38.5777, 63.8603 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(150, 167, 206)` looks like.

```
.text, #text, p{  
    color:rgb(150, 167, 206)  
}
```

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(150, 167, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 167, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.5370, 38.5777, 63.8603 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(150, 167, 206) }
```


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

```
.border{ border-color:rgb(150, 167, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 167, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(150, 167,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5370, 38.5777, 63.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 167, 206) }
```

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

```
.background{ background-color: rgb(150,  
167, 206) }
```

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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