

Converting Colors

XYZ(37.4820, 38.9450, 47.4176)

Have a look what the booklet for
XYZ(37.4820, 38.9450, 47.4176)
contains.

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Color

**XYZ(37.5805, 38.9588,
47.6586)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7B2
RGB	166, 167, 178
RGB Percent	65%, 65%, 70%
CMY	0.3490, 0.3451, 0.3020
CMYK	0.07, 0.06, 0.00, 0.30
HSL	235°, 7%, 67%
HSV	235°, 7%, 70%
XYZ	37.5805, 38.9588, 47.6586
YIQ	167.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

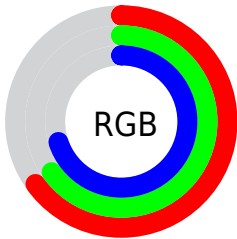
Format	Color
RYB	166, 167, 178
Decimal	10921906
CIELab	68.72, 1.80, -5.78
CIELCh	69, 6.056, 287.324
Yxy	38.9588, 0.3026, 0.3137
Android (android.graphics.Color)	4289111986 (0xFFA6A7B2)
YUV	167.9550, 4.9522, -1.7145
Hunter-Lab	62.4170, -1.7571, -1.5791

Details

The XYZ color **37.5805, 38.9588, 47.6586** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.9653, 43.6621, 42.3456**, and the grayscale version is **37.1762, 39.1123, 42.5933**.

A 20% lighter version of the original color is **70.7914, 73.5552, 88.3084**, and **16.7718, 17.3195, 21.8611** is the 20% darker color. If you saturate the color by 10%, you get **31.3022, 31.5630, 46.5626**, and if you desaturate by 10%, it is **44.7546, 47.3781, 48.9062**.

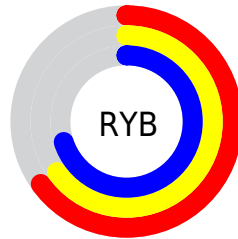
Distribution



Red (65%)

Green (65%)

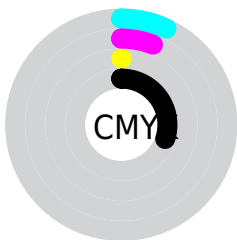
Blue (70%)



Red (65%)

Yellow (65%)

Blue (70%)

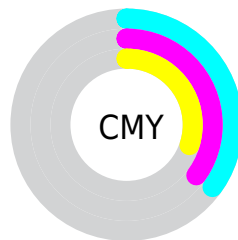


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (30%)



Cyan (35%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5805, 38.9588, 47.6586 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 37.5805, 38.9588, 47.6586 by changing the saturation by 10% instead.

■ 37.5805, 38.9588,
47.6586

■ 37.5805, 38.9588,
47.6586

327.1290,
341.7153, 393.9069

■ 25.8330, 26.7277,
33.1985

■ 70.7728, 73.5754,
88.0561

■ 16.8308, 17.3688,
22.0062

■ 92.9482, 96.7296,
114.8307

■ 10.2085, 10.4978,
13.6631

119.3304,
124.2937, 146.5471

■ 5.6007, 5.7302,
7.7507

150.2846,
156.6520, 183.6240

■ 2.6422, 2.6817,
3.8503

186.1762,
194.1889, 226.4799

■ 0.9675, 0.9679,
1.5436

227.3706,

■ 0.0000, 0.0000,

237.2888, 275.5333

0.2501

274.2331,
286.3362, 331.2028

■ 0.0000, 0.0000,
0.0000

■ 37.5805, 38.9588,
47.6586

■ 37.5805, 38.9588,
47.6586

■ 31.3022, 31.5630,
46.5626

■ 44.7546, 47.3781,
48.9062

■ 25.8811, 25.1470,
45.6099

■ 52.8541, 56.8527,
50.3081

■ 21.2810, 19.6710,
44.7954

■ 61.9116, 67.4192,
51.8702

■ 17.4617, 15.0908,
44.1126

■ 71.9571, 79.1109,
53.5975

■ 14.3798, 11.3586,
43.5546

■ 83.0184, 91.9593,
55.4945

■ 11.9875, 8.4222,
43.1139

■ 85.0360, 95.9944,
56.1670

■ 10.2311, 6.2234,
42.7821

■ 9.0494, 4.6960,
42.5496

■ 8.3621, 3.7588,
42.4049

Harmonies

Analogous

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



36.6264, 38.9588, 47.7784



37.5805, 38.9588, 47.6586



38.4003, 38.9588, 46.0976

Triad

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



37.5805, 38.9588, 47.6586



38.2921, 38.9588, 38.6573



35.2606, 38.9588, 41.2722

Complementary

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



37.5805, 38.9588, 47.6586



40.9653, 43.6621, 42.3456

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.



35.6911, 38.9588, 38.9424



37.5805, 38.9588, 47.6586



37.4349, 38.9588, 37.4771

Square

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



37.5805, 38.9588, 47.6586



38.8160, 38.9588, 40.8676



36.4833, 38.9588, 37.5792



35.2981, 38.9588, 44.0102

Rectangle

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



37.5805, 38.9588, 47.6586



38.7553, 38.9588, 44.4864



36.4833, 38.9588, 37.5792



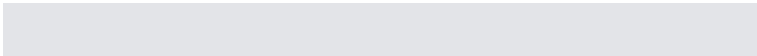
35.3551, 38.9588, 40.4177

Sweetspot

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



37.5816, 38.9605, 47.6595



74.0678, 77.6016, 87.4560



39.5628, 43.1148, 47.7280



16.4406, 17.2289, 19.3812



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.5816, 38.9605, 47.6595



66.4642, 68.6677, 86.1323



38.4238, 39.1230, 47.6464



8.0972, 8.3405, 10.6894



5.8909, 2.5822, 30.3249



0.2040, 0.1186, 0.9604

Inverse Universe

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



38.9723, 39.5282, 42.1368



69.4821, 69.9057, 74.1460



40.0818, 43.5017, 42.3612



8.5242, 8.5164, 8.9930



13.2081, 6.8008, 0.9900



0.4250, 0.2178, 0.0808

Previews

White Background



This preview shows how the XYZ color 37.5805, 38.9588, 47.6586 looks on a white background.

Color Contrast Check

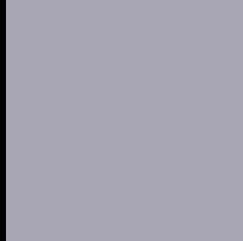
Large Text (above 18pt) WCAG AA × Fail

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 37.5805, 38.9588, 47.6586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

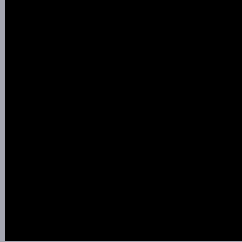
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5805, 38.9588, 47.6586

Background



This preview shows how black text looks on a background with the XYZ color 37.5805, 38.9588, 47.6586.

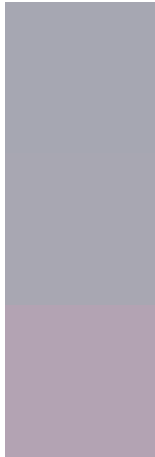


This preview shows how white text looks on a background with the XYZ color 37.5805, 38.9588,

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

37.5805, 38.9588, 47.6586

Protanopia

38.0030, 39.1766, 47.6783

Deuteranopia

39.8243, 39.0328, 48.0829



Tritanopia

37.7828, 39.0397, 48.7241

Trichromacy



Original Color

37.5805, 38.9588, 47.6586

Protanomaly

37.7909, 39.0673, 47.6684

Deuteranomaly

38.8677, 38.8043, 48.0892

Tritanomaly

37.6813, 38.9991, 48.1894

Monochromacy



Original Color

37.5805, 38.9588, 47.6586

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3854, 39.1993, 44.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5805, 38.9588, 47.6586 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(166, 167, 178)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 178)  
}
```

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(166, 167, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 178) }
```

Border

The CSS property to change the border of an element to XYZ 37.5805, 38.9588, 47.6586 is called "border". The border property can be set on classes, ids or directly on the HTML element.

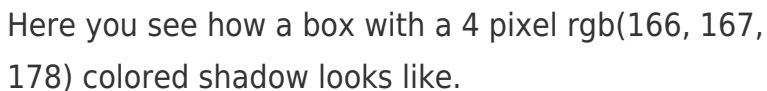
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 167, 178) }
```


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

```
.border{ border-color:rgb(166, 167, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 167, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 178);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5805, 38.9588, 47.6586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 178) }
```

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

```
.background{ background-color: rgb(166,  
167, 178) }
```

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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