

Converting Colors

XYZ(36.9110, 38.5447, 47.6093)

Have a look what the booklet for
XYZ(36.9110, 38.5447, 47.6093)
contains.

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Color

**XYZ(36.9589, 38.6383,
47.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A7B2
RGB	163, 167, 178
RGB Percent	64%, 65%, 70%
CMY	0.3608, 0.3451, 0.3020
CMYK	0.08, 0.06, 0.00, 0.30
HSL	224°, 9%, 67%
HSV	224°, 8%, 70%
XYZ	36.9589, 38.6383, 47.6295
YIQ	167.0580, -5.9150, 2.5730

Conversions

Conversions Part 2

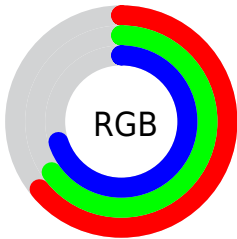
Format	Color
RYB	163, 166, 178
Decimal	10725298
CIELab	68.49, 0.77, -6.15
CIELCh	68, 6.201, 277.161
Yxy	38.6383, 0.2999, 0.3136
Android (android.graphics.Color)	4288915378 (0xFFA3A7B2)
YUV	167.0580, 5.3944, -3.5589
Hunter-Lab	62.1597, -2.6470, -1.9188

Details

The XYZ color **36.9589, 38.6383, 47.6295** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1073, 42.3813, 40.7177**, and the grayscale version is **36.7364, 38.6495, 42.0894**.

A 20% lighter version of the original color is **69.8860, 73.0885, 88.2660**, and **16.3879, 17.1216, 21.8431** is the 20% darker color. If you saturate the color by 10%, you get **31.2964, 32.3481, 46.7144**, and if you desaturate by 10%, it is **43.3779, 45.6788, 48.6507**.

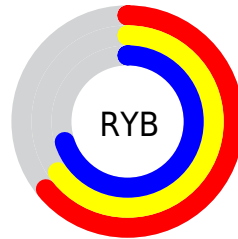
Distribution



Red (64%)

Green (65%)

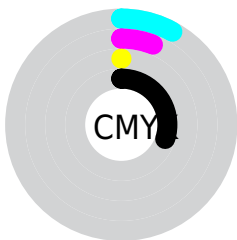
Blue (70%)



Red (64%)

Yellow (65%)

Blue (70%)

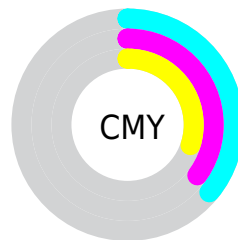


Cyan (8%)

Magenta (6%)

Yellow (0%)

Black (30%)



Cyan (36%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9589, 38.6383, 47.6295 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 36.9589, 38.6383, 47.6295 by changing the saturation by 10% instead.

■ 36.9589, 38.6383,
47.6295

■ 36.9589, 38.6383,
47.6295

324.4912,
340.3502, 393.7879

■ 25.3492, 26.4785,
33.1757

■ 69.8238, 73.0854,
88.0123

■ 16.4675, 17.1819,
21.9888

■ 91.8097, 96.1415,
114.7784

■ 9.9485, 10.3643,
13.6505

117.9851,
123.5985, 146.4856

■ 5.4268, 5.6412,
7.7420

148.7153,
155.8407, 183.5525

■ 2.5371, 2.6281,
3.8449

184.3656,
193.2526, 226.3976

■ 0.9140, 0.9408,
1.5407

225.3015,

■ 0.0000, 0.0000,

236.2186, 275.4396

0.2479

271.8882,
285.1230, 331.0968

■ 0.0000, 0.0000,
0.0000

■ 36.9589, 38.6383,
47.6295

■ 36.9589, 38.6383,
47.6295

■ 31.2964, 32.3481,
46.7144

■ 43.3779, 45.6788,
48.6507

■ 26.3588, 26.7782,
45.8996

■ 50.5770, 53.4888,
49.7788

■ 22.1167, 21.9034,
45.1822

■ 58.5829, 62.0926,
51.0175

■ 18.5378, 17.6954,
44.5586

■ 67.4198, 71.5124,
52.3700

■ 15.5869, 14.1238,
44.0248

■ 77.1111, 81.7690,
53.8389

■ 13.2255, 11.1556,
43.5763

■ 82.0220, 89.9664,
55.1623

■ 11.4104, 8.7546,
43.2085

■ 85.0360, 95.9944,
56.1670

■ 10.0921, 6.8800,
42.9162

■ 9.1923, 5.4750,
42.6924

Harmonies

Analogous

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



36.0012, 38.6383, 47.2187



36.9589, 38.6383, 47.6295



37.8694, 38.6383, 46.4990

Triad

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



36.9589, 38.6383, 47.6295



38.2399, 38.6383, 38.9079



35.0227, 38.6383, 40.0195

Complementary

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



36.9589, 38.6383, 47.6295



40.1073, 42.3813, 40.7177

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.



35.6030, 38.6383, 37.9325



36.9589, 38.6383, 47.6295



37.4575, 38.6383, 37.3109

Square

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



36.9589, 38.6383, 47.6295



38.6175, 38.6383, 41.4043



36.4912, 38.6383, 36.9619



34.8945, 38.6383, 42.7439

Rectangle

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



36.9589, 38.6383, 47.6295



38.3234, 38.6383, 45.0517



36.4912, 38.6383, 36.9619



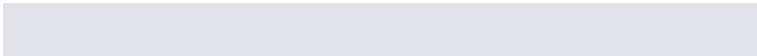
35.1708, 38.6383, 39.2239

Sweetspot

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



36.9600, 38.6399, 47.6304



73.1058, 76.7594, 87.3441



38.6410, 42.6743, 46.1178



15.9898, 16.7792, 19.3182



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.



36.9600, 38.6399, 47.6304



65.1329, 67.9811, 86.0700



36.9122, 37.5436, 47.4213



8.2203, 8.5868, 10.7305



6.5366, 3.8735, 30.5401



0.2548, 0.2201, 0.9773

Inverse Universe

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



38.4333, 38.4503, 41.9570



68.3278, 67.5972, 73.7607



40.1551, 43.5709, 40.9448



8.5864, 8.5413, 9.3204



13.5340, 6.9312, 2.7061



0.4506, 0.2280, 0.2156

Previews

White Background



This preview shows how the XYZ color 36.9589, 38.6383, 47.6295 looks on a white background.

Color Contrast Check

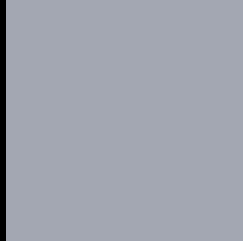
Large Text (above 18pt) WCAG AA × Fail

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 36.9589, 38.6383, 47.6295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

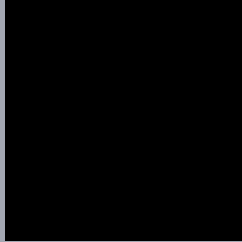
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9589, 38.6383, 47.6295

Background



This preview shows how black text looks on a background with the XYZ color 36.9589, 38.6383, 47.6295.

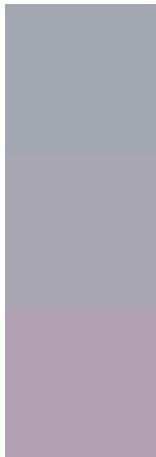


This preview shows how white text looks on a background with the XYZ color 36.9589, 38.6383,

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

36.9589, 38.6383, 47.6295

Protanopia

37.5084, 38.6623, 47.0806

Deuteranopia

39.4171, 38.5603, 48.0132



Tritanopia

37.1612, 38.7193, 48.6950

Trichromacy



Original Color

36.9589, 38.6383, 47.6295

Protanomaly

37.2979, 38.5538, 47.0708

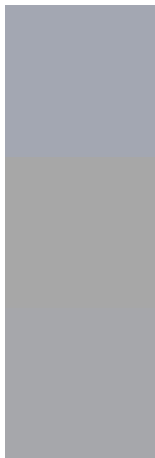
Deuteranomaly

38.6457, 38.6898, 48.0789

Tritanomaly

37.0597, 38.6786, 48.1603

Monochromacy



Original Color

36.9589, 38.6383, 47.6295

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8953, 38.6847, 44.0504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9589, 38.6383, 47.6295 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(163, 167, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 167, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 167, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.9589, 38.6383, 47.6295 is called "border". The border property can be set on classes, ids or directly on the HTML element.

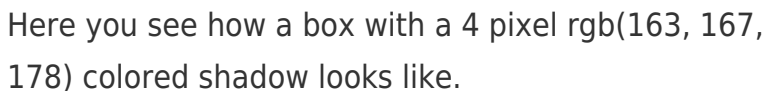
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 167, 178) }
```


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

```
.border{ border-color:rgb(163, 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(163, 167, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 167, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 167, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 167,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9589, 38.6383, 47.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 167, 178) }
```

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

```
.background{ background-color: rgb(163,  
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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