

Converting Colors

XYZ(38.5727, 35.7022, 61.5798)

Have a look what the booklet for
XYZ(38.5727, 35.7022, 61.5798)
contains.

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Color

**XYZ(38.4835, 35.7478,
61.3716)**

Conversions

Conversions Part 1

Format	Color
Hex	A89ACB
RGB	168, 154, 203
RGB Percent	66%, 60%, 80%
CMY	0.3412, 0.3961, 0.2039
CMYK	0.17, 0.24, 0.00, 0.20
HSL	257°, 32%, 70%
HSV	257°, 24%, 80%
XYZ	38.4835, 35.7478, 61.3716
YIQ	163.7720, -7.3850, 18.2070

Conversions

Conversions Part 2

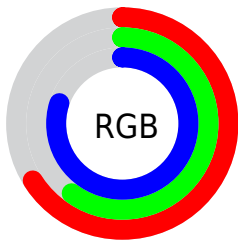
Format	Color
R _{YB}	168, 154, 203
Decimal	11049675
CIE _{Lab}	66.33, 15.04, -23.27
CIE _{LCh}	66, 27.704, 302.883
Yxy	35.7478, 0.2838, 0.2636
Android (android.graphics.Color)	4289239755 (0xFFA89ACB)
YUV	163.7720, 19.3394, 3.7080
Hunter-Lab	59.7895, 10.2600, -19.0063

Details

The XYZ color **38.4835, 35.7478, 61.3716** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1761, 55.8646, 38.8172**, and the grayscale version is **35.0927, 36.9203, 40.2062**.

A 20% lighter version of the original color is **71.3463, 68.1790, 104.0073**, and **17.3453, 15.5153, 30.5143** is the 20% darker color. If you saturate the color by 10%, you get **32.4955, 28.1014, 60.2119**, and if you desaturate by 10%, it is **45.3847, 44.7078, 62.7379**.

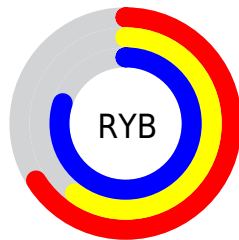
Distribution



Red (66%)

Green (60%)

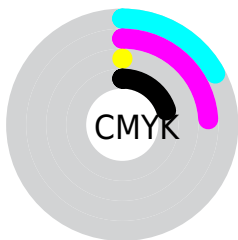
Blue (80%)



Red (66%)

Yellow (60%)

Blue (80%)

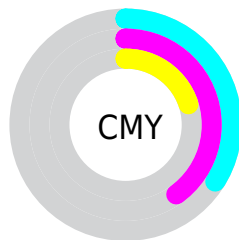


Cyan (17%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (34%)

Magenta (40%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4835, 35.7478, 61.3716 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 38.4835, 35.7478, 61.3716 by changing the saturation by 10% instead.

■ 38.4835, 35.7478,
61.3716

■ 38.4835, 35.7478,
61.3716

330.9346,
327.8569, 447.5794

■ 26.5371, 24.2395,
44.0926

■ 72.1477, 68.6426,
108.3796

■ 17.3606, 15.5114,
30.4056

■ 94.5963, 90.7979,
138.9456

■ 10.5888, 9.1791,
19.8920

121.2762,
117.2710, 174.7778

■ 5.8563, 4.8582,
12.1333

152.5530,
148.4462, 216.2947

■ 2.7977, 2.1643,
6.7109

188.7918,
184.7081, 263.9147

■ 1.0477, 0.7004,
3.2062

230.3581,

■ 0.0000, 0.0000,

226.4408, 318.0565

1.2009

277.6173,
274.0290, 379.1385

■ 0.0000, 0.0000,
0.0000

■ 38.4835, 35.7478,
61.3716

■ 38.4835, 35.7478,
61.3716

■ 32.4955, 28.1014,
60.2119

■ 45.3847, 44.7078,
62.7379

■ 27.3775, 21.7014,
59.2463

■ 53.2327, 55.0354,
64.3177

■ 23.0877, 16.4812,
58.4648

■ 62.0639, 66.7871,
66.1205

■ 19.5797, 12.3661,
57.8554

■ 71.9115, 80.0147,
68.1547

■ 16.8016, 9.2727,
57.4047

■ 82.6462, 94.4455,
70.3743

■ 14.6949, 7.1051,
57.0974

■ 87.7796, 97.0918,
70.6146

■ 13.1904, 5.7481,
56.9147

■ 12.5243, 5.2113,
56.8462

Harmonies

Analogous

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



34.3790, 35.7478, 66.4111



38.4835, 35.7478, 61.3716



41.5641, 35.7478, 50.2635

Triad

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



38.4835, 35.7478, 61.3716



37.7352, 35.7478, 21.9575



26.6329, 35.7478, 40.0807

Complementary

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



38.4835, 35.7478, 61.3716



48.1761, 55.8646, 38.8172

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.



27.3748, 35.7478, 29.4315



38.4835, 35.7478, 61.3716



33.5786, 35.7478, 20.3097

Square

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



38.4835, 35.7478, 61.3716



41.1080, 35.7478, 27.8144



29.8372, 35.7478, 22.7493



27.7228, 35.7478, 52.6546

Rectangle

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



38.4835, 35.7478, 61.3716



42.5015, 35.7478, 41.8160



29.8372, 35.7478, 22.7493



26.6765, 35.7478, 36.1671

Sweetspot

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



38.4846, 35.7493, 61.3724



85.0813, 86.7967, 106.8769



42.3298, 47.6283, 63.4626



18.0352, 18.3464, 22.8406



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.



38.4846, 35.7493, 61.3724



58.9891, 52.8694, 101.7035



44.1716, 38.6810, 61.6385



10.8978, 10.9966, 14.1186



8.0487, 3.3568, 36.1800



0.4910, 0.2122, 1.8700

Inverse Universe

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



45.3706, 39.4833, 53.3753



72.6071, 60.2613, 85.5509



42.6272, 53.0041, 38.5575



11.5456, 11.3470, 13.4076



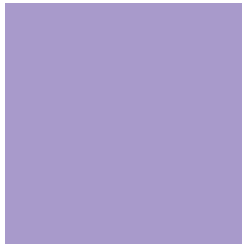
18.9671, 9.3974, 18.0774



1.0102, 0.4975, 1.0993

Previews

White Background



This preview shows how the XYZ color 38.4835, 35.7478, 61.3716 looks on a white background.

Color Contrast Check

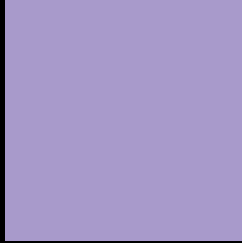
Large Text (above 18pt) WCAG AA × Fail

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 38.4835, 35.7478, 61.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

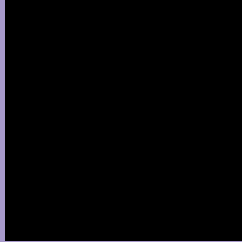
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4835, 35.7478, 61.3716

Background



This preview shows how black text looks on a background with the XYZ color 38.4835, 35.7478, 61.3716.



This preview shows how white text looks on a background with the XYZ color 38.4835, 35.7478,

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

38.4835, 35.7478, 61.3716

Protanopia

36.0550, 35.6908, 64.0202

Deuteranopia

36.5978, 35.7859, 60.8556



Tritanopia

35.1215, 35.9067, 44.1093

Trichromacy



Original Color

38.4835, 35.7478, 61.3716

Protanomaly

36.9079, 35.6381, 63.3261

Deuteranomaly

37.2148, 35.8518, 60.8358

Tritanomaly

36.2912, 35.8719, 49.8110

Monochromacy



Original Color

38.4835, 35.7478, 61.3716

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1237, 36.3553, 47.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4835, 35.7478, 61.3716 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(168, 154, 203)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 203)  
}
```

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(168, 154, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 203) }
```

Border

The CSS property to change the border of an element to XYZ 38.4835, 35.7478, 61.3716 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(168, 154, 203) }
```


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

```
.border{ border-color:rgb(168, 154, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 154, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 203);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4835, 35.7478, 61.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 203) }
```

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

```
.background{ background-color: rgb(168,  
154, 203) }
```

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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