

Converting Colors

XYZ(38.9809, 38.2927, 61.8366)

Have a look what the booklet for
XYZ(38.9809, 38.2927, 61.8366)
contains.

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Color

**XYZ(38.9809, 38.2927,
61.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A3CB
RGB	163, 163, 203
RGB Percent	64%, 64%, 80%
CMY	0.3608, 0.3608, 0.2039
CMYK	0.20, 0.20, 0.00, 0.20
HSL	240°, 28%, 72%
HSV	240°, 20%, 80%
XYZ	38.9809, 38.2927, 61.8366
YIQ	167.5600, -12.8400, 12.4400

Conversions

Conversions Part 2

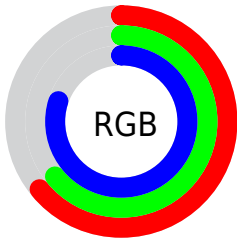
Format	Color
R _Y B	163, 163, 203
Decimal	10724299
CIE Lab	68.24, 8.40, -20.39
CIE LCh	68, 22.053, 292.388
Yxy	38.2927, 0.2802, 0.2753
Android (android.graphics.Color)	4288914379 (0xFFA3A3CB)
YUV	167.5600, 17.4719, -3.9991
Hunter-Lab	61.8811, 4.1510, -15.9306

Details

The XYZ color **38.9809, 38.2927, 61.8366** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.5957, 58.0526, 43.0844**, and the grayscale version is **36.9266, 38.8497, 42.3073**.

A 20% lighter version of the original color is **72.0348, 72.2682, 104.7603**, and **17.6648, 16.9183, 30.7683** is the 20% darker color. If you saturate the color by 10%, you get **31.8339, 29.6812, 60.5517**, and if you desaturate by 10%, it is **47.3760, 48.4083, 63.3473**.

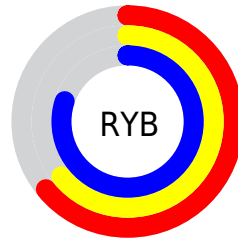
Distribution



Red (64%)

Green (64%)

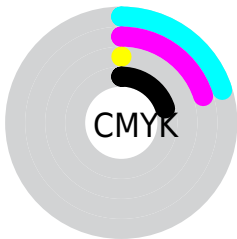
Blue (80%)



Red (64%)

Yellow (64%)

Blue (80%)

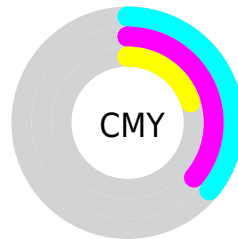


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (36%)

Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9809, 38.2927, 61.8366 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 38.9809, 38.2927, 61.8366 by changing the saturation by 10% instead.

■ 38.9809, 38.2927,
61.8366

■ 38.9809, 38.2927,
61.8366

333.0178,
338.8739, 449.3260

■ 26.9255, 26.2099,
44.4657

■ 72.9034, 72.5565,
109.0586

■ 17.6536, 16.9808,
30.6969

■ 95.5012, 95.5064,
139.7469

■ 10.7998, 10.2208,
20.1117

122.3439,
122.8475, 175.7114

■ 5.9986, 5.5456,
12.2914

153.7968,
154.9641, 217.3706

■ 2.8849, 2.5708,
6.8175

190.2253,
192.2406, 265.1432

■ 1.0932, 0.9120,
3.2715

231.9948,

■ 0.0194, 0.0000,

235.0615, 319.4476

1.2349

279.4705,
283.8111, 380.7023

■ 0.0000, 0.0000,
0.0075

■ 0.0000, 0.0000,
0.0000

■ 38.9809, 38.2927,
61.8366

■ 38.9809, 38.2927,
61.8366

■ 31.8339, 29.6812,
60.5517

■ 47.3760, 48.4083,
63.3473

■ 25.8720, 22.4976,
59.4794

■ 57.0709, 60.0899,
65.0911

■ 21.0324, 16.6661,
58.6089

■ 68.1189, 73.4018,
67.0782

■ 17.2448, 12.1023,
57.9276

■ 80.5692, 88.4033,
69.3176

■ 14.4311, 8.7119,
57.4215

■ 87.7796, 97.0918,
70.6146

■ 12.5023, 6.3877,
57.0745

■ 11.3533, 5.0032,
56.8678

■ 10.7937, 4.3290,
56.7672

■ 10.7797, 4.3120,
56.7647

Harmonies

Analogous

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



35.5247, 38.2927, 63.4954



38.9809, 38.2927, 61.8366



41.9064, 38.2927, 54.3932

Triad

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



38.9809, 38.2927, 61.8366



40.5954, 38.2927, 28.3858



30.2105, 38.2927, 39.2288

Complementary

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



38.9809, 38.2927, 61.8366



52.5957, 58.0526, 43.0844

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.



31.3913, 38.2927, 31.1437



38.9809, 38.2927, 61.8366



37.2816, 38.2927, 25.5598

Square

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



38.9809, 38.2927, 61.8366



42.8788, 38.2927, 34.8704



33.9281, 38.2927, 26.4831



30.6021, 38.2927, 49.3548

Rectangle

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



38.9809, 38.2927, 61.8366



43.0900, 38.2927, 47.7089



33.9281, 38.2927, 26.4831



30.4339, 38.2927, 36.2076

Sweetspot

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



38.9821, 38.2943, 61.8375



84.9554, 87.8369, 107.0843



47.1611, 54.7792, 64.1727



17.9594, 18.5301, 22.8801



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.



38.9821, 38.2943, 61.8375



59.4947, 57.1586, 102.5048



43.2477, 40.4928, 62.0370



10.6018, 10.8441, 14.1047



6.8601, 2.7442, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



44.3376, 41.5362, 40.3325



70.2027, 63.6408, 59.5066



47.6549, 55.5061, 42.8533



11.2124, 11.2137, 11.6530



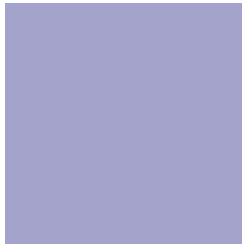
15.6736, 8.0800, 0.7337



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 38.9809, 38.2927, 61.8366 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 38.9809, 38.2927, 61.8366 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 38.9809, 38.2927, 61.8366

Background



This preview shows how black text looks on a background with the XYZ color 38.9809, 38.2927, 61.8366.



This preview shows how white text looks on a background with the XYZ color 38.9809, 38.2927,

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

38.9809, 38.2927, 61.8366

Protanopia

38.2588, 38.4380, 62.5296

Deuteranopia

39.1865, 38.3987, 61.8462



Tritanopia

36.3550, 38.3036, 48.6572

Trichromacy



Original Color

38.9809, 38.2927, 61.8366

Protanomaly

38.4726, 38.2815, 62.4881

Deuteranomaly

39.1865, 38.3987, 61.8462

Tritanomaly

37.2105, 38.3769, 53.0232

Monochromacy



Original Color

38.9809, 38.2927, 61.8366

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7026, 38.7156, 49.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9809, 38.2927, 61.8366 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, 163, 203)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 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(163, 163, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 203) }
```

Border

The CSS property to change the border of an element to XYZ 38.9809, 38.2927, 61.8366 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, 163, 203) }
```


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

```
.border{ border-color:rgb(163, 163, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 203);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9809, 38.2927, 61.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 203) }
```

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

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