

Converting Colors

XYZ(38.8590, 36.2374, 78.3837)

Have a look what the booklet for
XYZ(38.8590, 36.2374, 78.3837)
contains.

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Color

**XYZ(38.8231, 36.2947,
78.3582)**

Conversions

Conversions Part 1

Format	Color
Hex	979DE4
RGB	151, 157, 228
RGB Percent	59%, 62%, 89%
CMY	0.4078, 0.3843, 0.1059
CMYK	0.34, 0.31, 0.00, 0.11
HSL	235°, 59%, 74%
HSV	235°, 34%, 89%
XYZ	38.8231, 36.2947, 78.3582
YIQ	163.3000, -26.3670, 20.8090

Conversions

Conversions Part 2

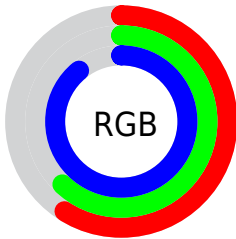
Format	Color
RYB	151, 157, 228
Decimal	9936356
CIELab	66.74, 14.33, -36.56
CIELCh	67, 39.271, 291.395
Yxy	36.2947, 0.2530, 0.2365
Android (android.graphics.Color)	4288126436 (0xFF979DE4)
YUV	163.3000, 31.8971, -10.7871
Hunter-Lab	60.2451, 9.6000, -34.9444

Details

The XYZ color **38.8231, 36.2947, 78.3582** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.7031, 70.9720, 39.6212**, and the grayscale version is **34.8184, 36.6317, 39.8919**.

A 20% lighter version of the original color is **67.0764, 67.0739, 104.0190**, and **17.5302, 15.8280, 41.1609** is the 20% darker color. If you saturate the color by 10%, you get **31.7377, 27.8090, 77.0944**, and if you desaturate by 10%, it is **47.3413, 46.4290, 79.8660**.

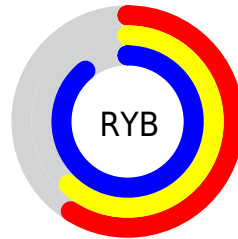
Distribution



Red (59%)

Green (62%)

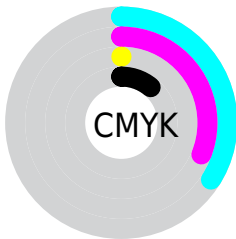
Blue (89%)



Red (59%)

Yellow (62%)

Blue (89%)

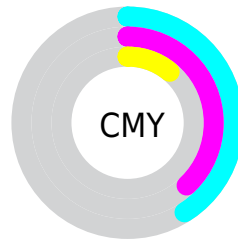


Cyan (34%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8231, 36.2947, 78.3582 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 38.8231, 36.2947, 78.3582 by changing the saturation by 10% instead.

■ 38.8231, 36.2947,
78.3582

■ 38.8231, 36.2947,
78.3582

332.3579,
330.2468, 508.9426

■ 26.8022, 24.6619,
57.8501

■ 72.6638, 69.4867,
132.8454

■ 17.5606, 15.8253,
41.2742

■ 95.2144, 91.8146,
167.6616

■ 10.7327, 9.4006,
28.2121

122.0055,
118.4764, 208.0842

■ 5.9534, 5.0034,
18.2452

153.4026,
149.8565, 254.5318

■ 2.8571, 2.2493,
10.9549

189.7711,
186.3391, 307.4228

■ 1.0787, 0.7467,
5.9227

231.4762,

■ 0.0072, 0.0000,

228.3088, 367.1760

2.7301

278.8834,
276.1499, 434.2097

■ 0.0000, 0.0000,
0.9585

■ 0.0000, 0.0000,
0.0000

■ 38.8231, 36.2947,
78.3582

■ 38.8231, 36.2947,
78.3582

■ 31.7377, 27.8090,
77.0944

■ 47.3413, 46.4290,
79.8660

■ 26.0026, 20.8806,
76.0593

■ 57.3610, 58.2883,
81.6270

■ 21.5328, 15.4158,
75.2401

■ 68.9514, 71.9494,
83.6530

■ 18.2319, 11.3091,
74.6214

■ 82.1759, 87.4831,
85.9543

■ 15.9896, 8.4406,
74.1859

■ 91.0037, 98.3815,
87.5926

■ 14.6744, 6.6692,
73.9133

■ 14.2162, 6.0265,
73.8134

Harmonies

Analogous

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



32.8199, 36.2947, 81.3655



38.8231, 36.2947, 78.3582



44.1902, 36.2947, 63.5790

Triad

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



38.8231, 36.2947, 78.3582



42.1067, 36.2947, 19.1084



24.4122, 36.2947, 34.8341

Complementary

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



38.8231, 36.2947, 78.3582



63.7031, 70.9720, 39.6212

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.



26.3363, 36.2947, 22.4533



38.8231, 36.2947, 78.3582



36.2303, 36.2947, 15.2367

Square

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



38.8231, 36.2947, 78.3582



46.2319, 36.2947, 28.7692



30.5049, 36.2947, 16.2553



24.9376, 36.2947, 52.6592

Rectangle

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



38.8231, 36.2947, 78.3582



46.4629, 36.2947, 50.8720



30.5049, 36.2947, 16.2553



24.7851, 36.2947, 29.9944

Sweetspot

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



38.8244, 36.2961, 78.3591



79.2353, 81.3851, 106.1405



53.6360, 67.3187, 78.9825



16.5200, 16.9012, 22.6415



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.



38.8244, 36.2961, 78.3591



43.0394, 38.4044, 99.7521



44.6198, 37.8137, 78.3465



13.6726, 14.0666, 18.1388



8.2420, 3.5461, 42.6332



0.6407, 0.3253, 3.1610

Inverse Universe

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



49.1485, 41.0629, 37.2351



58.4413, 45.7058, 38.3593



56.0737, 69.4467, 39.7289



14.4223, 14.3861, 15.1584



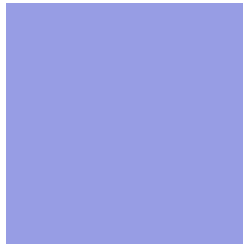
18.5537, 9.5557, 1.2787



1.3870, 0.7125, 0.1785

Previews

White Background



This preview shows how the XYZ color 38.8231, 36.2947, 78.3582 looks on a white background.

Color Contrast Check

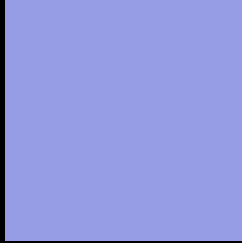
Large Text (above 18pt) WCAG AA × Fail

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 38.8231, 36.2947, 78.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

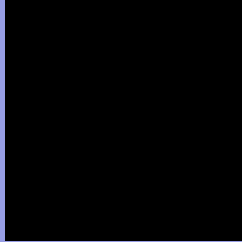
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8231, 36.2947, 78.3582

Background



This preview shows how black text looks on a background with the XYZ color 38.8231, 36.2947, 78.3582.



This preview shows how white text looks on a background with the XYZ color 38.8231, 36.2947,

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

38.8231, 36.2947, 78.3582

Protanopia

37.6690, 36.4302, 79.9093

Deuteranopia

37.0834, 36.1766, 77.7013



Tritanopia

32.6897, 36.1432, 48.4334

Trichromacy



Original Color

38.8231, 36.2947, 78.3582

Protanomaly

38.0426, 36.3827, 79.1462

Deuteranomaly

37.5910, 36.1820, 77.6756

Tritanomaly

34.6768, 36.1549, 57.9743

Monochromacy



Original Color

38.8231, 36.2947, 78.3582

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.0126, 36.4485, 52.1509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8231, 36.2947, 78.3582 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(151, 157, 228)` looks like.

```
.text, #text, p{  
    color:rgb(151, 157, 228)  
}
```

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(151, 157, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 157, 228) }
```

Border

The CSS property to change the border of an element to XYZ 38.8231, 36.2947, 78.3582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

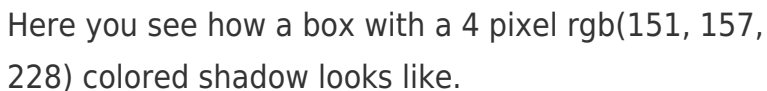
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 157, 228) }
```


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

```
.border{ border-color:rgb(151, 157, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 157, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 157, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 157, 228); box-shadow:4px 4px 4px 4px rgb(151, 157, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8231, 36.2947, 78.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 157, 228) }
```

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

```
.background{ background-color: rgb(151,  
157, 228) }
```

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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