

Converting Colors

XYZ(38.9355, 36.5044, 78.2560)

Have a look what the booklet for
XYZ(38.9355, 36.5044, 78.2560)
contains.

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Color

**XYZ(38.9929, 36.6345,
78.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	979EE4
RGB	151, 158, 228
RGB Percent	59%, 62%, 89%
CMY	0.4078, 0.3804, 0.1059
CMYK	0.34, 0.31, 0.00, 0.11
HSL	235°, 59%, 74%
HSV	235°, 34%, 89%
XYZ	38.9929, 36.6345, 78.4148
YIQ	163.8870, -26.6420, 20.2860

Conversions

Conversions Part 2

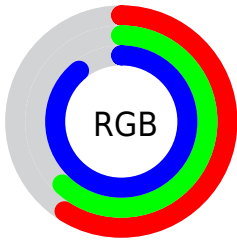
Format	Color
RYB	151, 157, 228
Decimal	9936612
CIELab	67.00, 13.76, -36.16
CIElCh	67, 38.692, 290.826
Yxy	36.6345, 0.2531, 0.2378
Android (android.graphics.Color)	4288126692 (0xFF979EE4)
YUV	163.8870, 31.6077, -11.3019
Hunter-Lab	60.5264, 9.0736, -34.4444

Details

The XYZ color **38.9929, 36.6345, 78.4148** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.4380, 70.4418, 39.5325**, and the grayscale version is **35.0975, 36.9253, 40.2117**.

A 20% lighter version of the original color is **67.5764, 68.0739, 104.1857**, and **17.6339, 16.0353, 41.1954** is the 20% darker color. If you saturate the color by 10%, you get **31.9213, 28.1763, 77.1556**, and if you desaturate by 10%, it is **47.4815, 46.7098, 79.9128**.

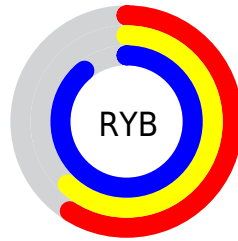
Distribution



Red (59%)

Green (62%)

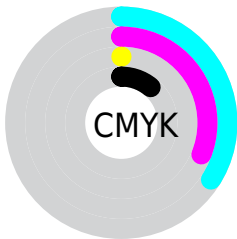
Blue (89%)



Red (59%)

Yellow (62%)

Blue (89%)

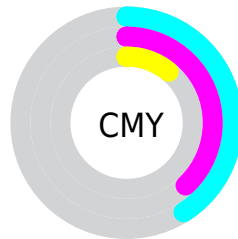


Cyan (34%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9929, 36.6345, 78.4148 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 38.9929, 36.6345, 78.4148 by changing the saturation by 10% instead.

■ 38.9929, 36.6345,
78.4148

■ 38.9929, 36.6345,
78.4148

333.0680,
331.7254, 509.1396

■ 26.9349, 24.9246,
57.8963

■ 72.9216, 70.0103,
132.9259

■ 17.6607, 16.0209,
41.3111

■ 95.5230, 92.4450,
167.7556

■ 10.8049, 9.5389,
28.2408

122.3697,
119.2234, 208.1927

■ 6.0021, 5.0944,
18.2666

153.8268,
150.7300, 254.6559

■ 2.8870, 2.3027,
10.9701

190.2599,
187.3491, 307.5636

■ 1.0943, 0.7752,
5.9328

232.0342,

■ 0.0203, 0.0000,

229.4651, 367.3345

2.7362

279.5151,
277.4624, 434.3869

■ 0.0000, 0.0000,
0.9615

■ 0.0000, 0.0000,
0.0000

■ 38.9929, 36.6345,
78.4148

■ 38.9929, 36.6345,
78.4148

■ 31.9213, 28.1763,
77.1556

■ 47.4815, 46.7098,
79.9128

■ 26.1857, 21.2469,
76.1204

■ 57.4548, 58.4761,
81.6583

■ 21.7026, 15.7557,
75.2967

■ 68.9803, 72.0077,
83.6627

■ 18.3778, 11.6010,
74.6700

■ 82.1208, 87.3733,
85.9359

■ 16.1031, 8.6675,
74.2237

■ 91.0037, 98.3815,
87.5926

■ 14.7498, 6.8201,
73.9384

■ 14.2669, 6.1279,
73.8303

Harmonies

Analogous

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



33.0497, 36.6345, 81.1130



38.9929, 36.6345, 78.4148



44.3327, 36.6345, 64.0154

Triad

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



38.9929, 36.6345, 78.4148



42.4548, 36.6345, 19.6966



24.8157, 36.6345, 34.9495

Complementary

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



38.9929, 36.6345, 78.4148



63.4380, 70.4418, 39.5325

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.



26.7758, 36.6345, 22.7430



38.9929, 36.6345, 78.4148



36.6524, 36.6345, 15.7151

Square

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



38.9929, 36.6345, 78.4148



46.4824, 36.6345, 29.4561



30.9560, 36.6345, 16.6466



25.2923, 36.6345, 52.5328

Rectangle

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



38.9929, 36.6345, 78.4148



46.6176, 36.6345, 51.4867



30.9560, 36.6345, 16.6466



25.2024, 36.6345, 30.1780

Sweetspot

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



38.9942, 36.6359, 78.4157



79.3284, 81.5714, 106.1715



53.4649, 67.2502, 78.0821



16.5423, 16.9458, 22.6489



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.



38.9942, 36.6359, 78.4157



43.2737, 38.8729, 99.8302



44.3155, 37.6567, 78.3322



13.6877, 14.0967, 18.1439



8.2749, 3.6119, 42.6442



0.6479, 0.3397, 3.1634

Inverse Universe

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



49.2341, 41.0970, 37.6868



58.5595, 45.7531, 38.9820



56.4086, 69.6193, 39.7442



14.4299, 14.3892, 15.1985



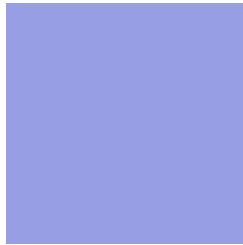
18.5703, 9.5623, 1.3662



1.3906, 0.7140, 0.1977

Previews

White Background



This preview shows how the XYZ color 38.9929, 36.6345, 78.4148 looks on a white background.

Color Contrast Check

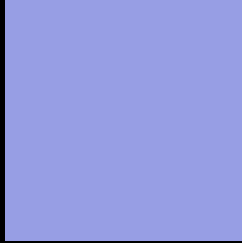
Large Text (above 18pt) WCAG AA × Fail

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 38.9929, 36.6345, 78.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

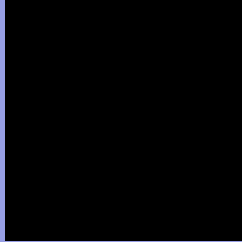
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9929, 36.6345, 78.4148

Background



This preview shows how black text looks on a background with the XYZ color 38.9929, 36.6345, 78.4148.



This preview shows how white text looks on a background with the XYZ color 38.9929, 36.6345,

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

38.9929, 36.6345, 78.4148

Protanopia

37.8382, 36.5175, 79.9172

Deuteranopia

37.5945, 36.6985, 77.7751



Tritanopia

32.9744, 36.5491, 49.0328

Trichromacy



Original Color

38.9929, 36.6345, 78.4148

Protanomaly

38.2180, 36.4732, 79.1545

Deuteranomaly

38.1130, 36.7074, 77.7495

Tritanomaly

34.9701, 36.5574, 58.6392

Monochromacy



Original Color

38.9929, 36.6345, 78.4148

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1880, 36.7994, 52.2094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9929, 36.6345, 78.4148 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, 158, 228)` looks like.

```
.text, #text, p{  
    color:rgb(151, 158, 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, 158, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 158, 228) }
```

Border

The CSS property to change the border of an element to XYZ 38.9929, 36.6345, 78.4148 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, 158, 228) }
```


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

```
.border{ border-color:rgb(151, 158, 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, 158, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 158, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 158, 228);  
box-shadow:4px 4px 4px 4px rgb(151, 158,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9929, 36.6345, 78.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 158, 228) }
```

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

```
.background{ background-color: rgb(151,  
158, 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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