

Converting Colors

XYZ(37.9168, 32.4339, 84.8086)

Have a look what the booklet for
XYZ(37.9168, 32.4339, 84.8086)
contains.

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Color

**XYZ(38.0176, 32.3973,
85.1385)**

Conversions

Conversions Part 1

Format	Color
Hex	978FEE
RGB	151, 143, 238
RGB Percent	59%, 56%, 93%
CMY	0.4078, 0.4392, 0.0667
CMYK	0.37, 0.40, 0.00, 0.07
HSL	245°, 74%, 75%
HSV	245°, 40%, 93%
XYZ	38.0176, 32.3973, 85.1385
YIQ	156.2220, -25.7270, 31.2410

Conversions

Conversions Part 2

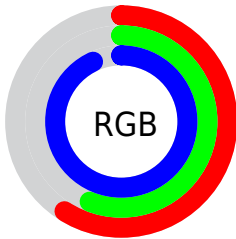
Format	Color
RYB	151, 143, 238
Decimal	9932782
CIELab	63.67, 24.99, -46.89
CIElCh	64, 53.138, 298.058
Yxy	32.3973, 0.2444, 0.2083
Android (android.graphics.Color)	4288122862 (0xFF978FEE)
YUV	156.2220, 40.3166, -4.5797
Hunter-Lab	56.9186, 19.6177, -48.8425

Details

The XYZ color **38.0176, 32.3973, 85.1385** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.1659, 79.9557, 37.8279**, and the grayscale version is **31.5339, 33.1761, 36.1288**.

A 20% lighter version of the original color is **64.0287, 60.5624, 102.9228**, and **17.1817, 13.6929, 45.9934** is the 20% darker color. If you saturate the color by 10%, you get **31.1386, 24.0985, 83.8998**, and if you desaturate by 10%, it is **46.4046, 42.5997, 86.6663**.

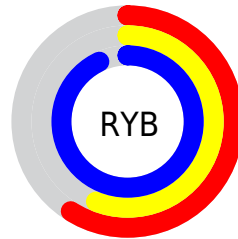
Distribution



Red (59%)

Green (56%)

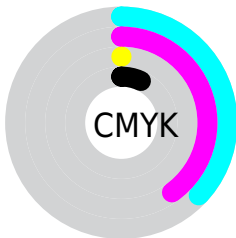
Blue (93%)



Red (59%)

Yellow (56%)

Blue (93%)

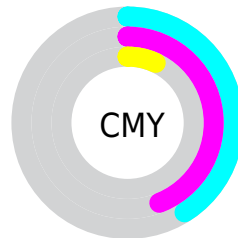


Cyan (37%)

Magenta (40%)

Yellow (0%)

Black (7%)



Cyan (41%)

Magenta (44%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0176, 32.3973, 85.1385 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 38.0176, 32.3973, 85.1385 by changing the saturation by 10% instead.

■ 38.0176, 32.3973,
85.1385

■ 38.0176, 32.3973,
85.1385

328.9750,
312.9251, 532.2428

■ 26.1736, 21.6651,
63.4050

■ 71.4388, 63.4334,
142.4425

■ 17.0869, 13.6111,
45.7258

■ 93.7468, 84.5062,
178.8502

■ 10.3922, 7.8507,
31.6824

120.2735,
109.7946, 220.9863

■ 5.7240, 3.9995,
20.8562

151.3842,
139.6830, 269.2694

■ 2.7171, 1.6733,
12.8287

187.4444,
174.5559, 324.1181

■ 1.0060, 0.4063,
7.1814

228.8194,

■ 0.0000, 0.0000,

214.7976, 385.9508

3.4956

275.8744,
260.7925, 455.1862

■ 0.0000, 0.0000,
1.3529

■ 0.0000, 0.0000,
0.1046

■ 38.0176, 32.3973,
85.1385

■ 38.0176, 32.3973,
85.1385

■ 31.1386, 24.0985,
83.8998

■ 46.4046, 42.5997,
86.6663

■ 25.6745, 17.5817,
82.9300

■ 56.3782, 54.8099,
88.4975

■ 21.5271, 12.7169,
82.2096

■ 68.0158, 69.1289,
90.6479

■ 18.5844, 9.3549,
81.7157

■ 81.3888, 85.6498,
93.1320

■ 16.7153, 7.3193,
81.4213

■ 92.4327, 98.9531,
95.1177

■ 15.7281, 6.3286,
81.2821

■ 15.7222, 6.3223,
81.2812

Harmonies

Analogous

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



30.3108, 32.3973, 94.0474



38.0176, 32.3973, 85.1385



44.5853, 32.3973, 61.6691

Triad

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



38.0176, 32.3973, 85.1385



38.9913, 32.3973, 10.6917



18.6019, 32.3973, 33.9061

Complementary

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



38.0176, 32.3973, 85.1385



68.1659, 79.9557, 37.8279

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.



20.1856, 32.3973, 17.7468



38.0176, 32.3973, 85.1385



31.2796, 32.3973, 8.1404

Square

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



38.0176, 32.3973, 85.1385



45.2081, 32.3973, 19.3104



24.5465, 32.3973, 10.0779



19.8223, 32.3973, 58.2477

Rectangle

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



38.0176, 32.3973, 85.1385



47.0019, 32.3973, 44.4421



24.5465, 32.3973, 10.0779



18.8179, 32.3973, 27.4643

Sweetspot

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



38.0188, 32.3985, 85.1393



76.4847, 77.0738, 105.4533



55.0812, 68.6535, 91.2379



15.9766, 16.0113, 22.4984



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.



38.0188, 32.3985, 85.1393



37.6948, 29.7173, 98.3570



48.6547, 37.8815, 85.6370



15.0206, 15.2923, 19.8817



8.8145, 3.5494, 45.3484



0.7754, 0.3170, 3.7745

Inverse Universe

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



59.3659, 43.5362, 80.1370



66.0071, 44.4994, 91.2492



54.9628, 73.1493, 37.2100



16.3935, 16.0071, 19.6283



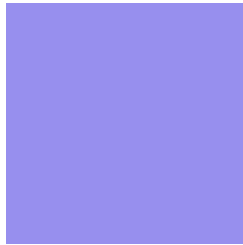
26.7521, 12.9733, 38.2065



2.2423, 1.0860, 3.2669

Previews

White Background



This preview shows how the XYZ color 38.0176, 32.3973, 85.1385 looks on a white background.

Color Contrast Check

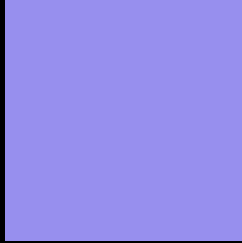
Large Text (above 18pt) WCAG AA × Fail

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 38.0176, 32.3973, 85.1385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

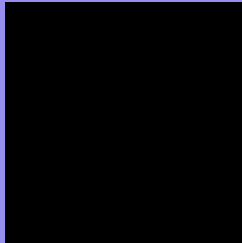
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0176, 32.3973, 85.1385

Background



This preview shows how black text looks on a background with the XYZ color 38.0176, 32.3973, 85.1385.



This preview shows how white text looks on a background with the XYZ color 38.0176, 32.3973,

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

38.0176, 32.3973, 85.1385

Protanopia

35.0193, 32.5773, 90.8285

Deuteranopia

33.6354, 32.7447, 83.9045



Tritanopia

29.4660, 32.2505, 42.7021

Trichromacy



Original Color

38.0176, 32.3973, 85.1385

Protanomaly

35.8228, 32.3364, 88.3579

Deuteranomaly

34.9448, 32.4391, 84.5404

Tritanomaly

32.0631, 32.0593, 56.1279

Monochromacy



Original Color

38.0176, 32.3973, 85.1385

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.2560, 32.5484, 50.9841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0176, 32.3973, 85.1385 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, 143, 238)` looks like.

```
.text, #text, p{  
    color:rgb(151, 143, 238)  
}
```

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, 143, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 143, 238) }
```

Border

The CSS property to change the border of an element to XYZ 38.0176, 32.3973, 85.1385 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, 143, 238) }
```


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

```
.border{ border-color:rgb(151, 143, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 143, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 143, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 143, 238);  
box-shadow:4px 4px 4px 4px rgb(151, 143,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0176, 32.3973, 85.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 143, 238) }
```

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

```
.background{ background-color: rgb(151,  
143, 238) }
```

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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