

Converting Colors

XYZ(38.2520, 37.4322, 83.8191)

Have a look what the booklet for
XYZ(38.2520, 37.4322, 83.8191)
contains.

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Color

**XYZ(38.2459, 37.4268,
83.8056)**

Conversions

Conversions Part 1

Format	Color
Hex	88A3EB
RGB	136, 163, 235
RGB Percent	53%, 64%, 92%
CMY	0.4667, 0.3608, 0.0784
CMYK	0.42, 0.31, 0.00, 0.08
HSL	224°, 71%, 73%
HSV	224°, 42%, 92%
XYZ	38.2459, 37.4268, 83.8056
YIQ	163.1350, -39.2040, 16.6680

Conversions

Conversions Part 2

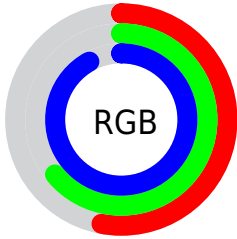
Format	Color
RYB	136, 157, 235
Decimal	8954859
CIELab	67.60, 8.81, -39.16
CIElCh	68, 40.135, 282.677
Yxy	37.4268, 0.2398, 0.2347
Android (android.graphics.Color)	4287144939 (0xFF88A3EB)
YUV	163.1350, 35.4294, -23.7974
Hunter-Lab	61.1774, 4.5311, -38.3958

Details

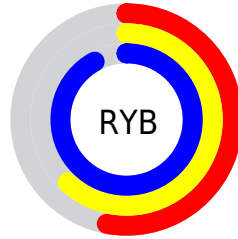
The XYZ color **38.2459, 37.4268, 83.8056** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.2619, 64.5528, 32.5251**, and the grayscale version is **34.7288, 36.5374, 39.7893**.

A 20% lighter version of the original color is **65.1137, 68.7003, 104.4364**, and **17.2391, 16.5485, 44.9334** is the 20% darker color. If you saturate the color by 10%, you get **32.0072, 30.0067, 82.7029**, and if you desaturate by 10%, it is **45.7340, 46.1012, 85.0860**.

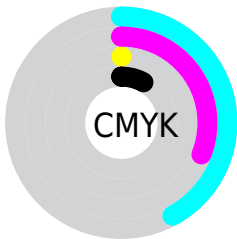
Distribution



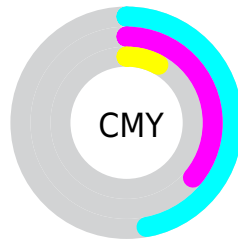
- Red (53%)
- Green (64%)
- Blue (92%)



- Red (53%)
- Yellow (62%)
- Blue (92%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2459, 37.4268, 83.8056 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 38.2459, 37.4268, 83.8056 by changing the saturation by 10% instead.

■ 38.2459, 37.4268,
83.8056

■ 38.2459, 37.4268,
83.8056

329.9363,
335.1547, 527.7086

■ 26.3517, 25.5381,
62.3105

■ 71.7864, 71.2287,
140.5625

■ 17.2210, 16.4784,
44.8462

■ 94.1633, 93.9107,
176.6614

■ 10.4884, 9.8633,
30.9942

■ 120.7652,
120.9593, 218.4653

■ 5.7887, 5.3084,
20.3360

151.9574,
152.7589, 266.3927

■ 2.7565, 2.4293,
12.4531

188.1052,
189.6938, 320.8622

■ 1.0263, 0.8409,
6.9267

229.5741,

■ 0.0000, 0.0000,

232.1485, 382.2923

3.3386

276.7293,
280.5073, 451.1016

■ 0.0000, 0.0000,
1.2700

■ 0.0000, 0.0000,
0.0370

■ 38.2459, 37.4268,
83.8056

■ 38.2459, 37.4268,
83.8056

■ 32.0072, 30.0067,
82.7029

■ 45.7340, 46.1012,
85.0860

■ 26.9424, 23.7756,
81.7671

■ 54.5333, 56.0826,
86.5488

■ 22.9734, 18.6681,
80.9905

■ 64.7059, 67.4253,
88.2020

■ 20.0103, 14.6100,
80.3633

■ 76.3088, 80.1795,
90.0523

■ 17.9469, 11.5164,
79.8750

■ 89.3959, 94.3925,
92.1059

■ 16.8340, 9.6752,
79.5782

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



32.1496, 37.4268, 82.6556



38.2459, 37.4268, 83.8056



44.2545, 37.4268, 71.2535

Triad

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



38.2459, 37.4268, 83.8056



45.0475, 37.4268, 21.7566



25.3891, 37.4268, 31.4317

Complementary

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



38.2459, 37.4268, 83.8056



61.2619, 64.5528, 32.5251

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.



28.1084, 37.4268, 20.4972



38.2459, 37.4268, 83.8056



39.2313, 37.4268, 16.1260

Square

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



38.2459, 37.4268, 83.8056



48.4762, 37.4268, 33.7279



33.0277, 37.4268, 15.7440



25.1904, 37.4268, 48.6880

Rectangle

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



38.2459, 37.4268, 83.8056



47.2134, 37.4268, 58.4603



33.0277, 37.4268, 15.7440



26.0229, 37.4268, 27.0373

Sweetspot

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



38.2472, 37.4282, 83.8065



76.6736, 79.8166, 105.9728



51.1192, 69.1544, 69.6545



15.8065, 16.4127, 22.5848



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.



38.2472, 37.4282, 83.8065



39.1435, 36.8629, 99.6599



37.7935, 30.8214, 82.5552



14.5655, 15.2174, 19.0918



9.4598, 5.5665, 44.3188



0.8206, 0.5927, 3.5060

Inverse Universe

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



49.6771, 37.9162, 39.3520



54.9491, 38.4673, 37.9784



61.7537, 75.4237, 34.5975



15.2342, 15.1215, 16.5187



19.6301, 10.0547, 3.8537



1.5807, 0.8052, 0.5094

Previews

White Background



This preview shows how the XYZ color 38.2459, 37.4268, 83.8056 looks on a white background.

Color Contrast Check

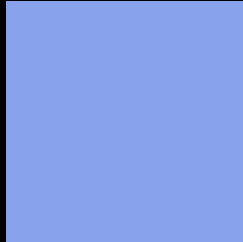
Large Text (above 18pt) WCAG AA × Fail

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 38.2459, 37.4268, 83.8056 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 38.2459, 37.4268, 83.8056

Background



This preview shows how black text looks on a background with the XYZ color 38.2459, 37.4268, 83.8056.

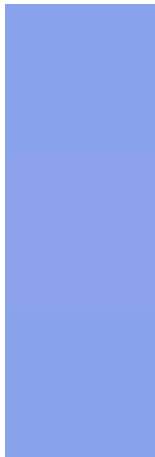


This preview shows how white text looks on a background with the XYZ color 38.2459, 37.4268,

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

38.2459, 37.4268, 83.8056

Protanopia

38.7561, 37.4439, 83.0266

Deuteranopia

38.4091, 37.5109, 83.8132



Tritanopia

31.7838, 37.2612, 51.9713

Trichromacy



Original Color

38.2459, 37.4268, 83.8056

Protanomaly

38.4191, 37.2701, 83.0109

Deuteranomaly

38.4091, 37.5109, 83.8132

Tritanomaly

33.9891, 37.3248, 62.5397

Monochromacy



Original Color

38.2459, 37.4268, 83.8056

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4194, 36.6408, 53.3497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2459, 37.4268, 83.8056 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(136, 163, 235)` looks like.

```
.text, #text, p{  
    color:rgb(136, 163, 235)  
}
```

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(136, 163, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 163, 235) }
```

Border

The CSS property to change the border of an element to XYZ 38.2459, 37.4268, 83.8056 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(136, 163, 235) }
```


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

```
.border{ border-color:rgb(136, 163, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 163, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 163, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 163, 235);  
box-shadow:4px 4px 4px 4px rgb(136, 163,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2459, 37.4268, 83.8056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 163, 235) }
```

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

```
.background{ background-color: rgb(136,  
163, 235) }
```

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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