

Converting Colors

XYZ(38.8108, 33.4483, 97.3391)

Have a look what the booklet for
XYZ(38.8108, 33.4483, 97.3391)
contains.

XYZ(38.8108, 33.4483, 97.3391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8108, 33.4483,
97.3391)**

Conversions

Conversions Part 1

Format	Color
Hex	8B93FD
RGB	139, 147, 253
RGB Percent	55%, 58%, 99%
CMY	0.4549, 0.4235, 0.0078
CMYK	0.45, 0.42, 0.00, 0.01
HSL	236°, 97%, 77%
HSV	236°, 45%, 99%
XYZ	38.8108, 33.4483, 97.3391
YIQ	156.6920, -38.7940, 31.2700

Conversions

Conversions Part 2

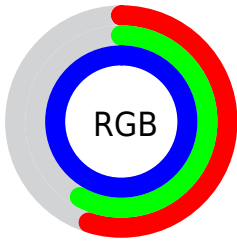
Format	Color
RYB	139, 146, 253
Decimal	9147389
CIELab	64.52, 23.87, -53.83
CIELCh	65, 58.887, 293.908
Yxy	33.4483, 0.2288, 0.1972
Android (android.graphics.Color)	4287337469 (0xFF8B93FD)
YUV	156.6920, 47.4798, -15.5159
Hunter-Lab	57.8345, 18.5750, -59.3046

Details

The XYZ color **38.8108, 33.4483, 97.3391** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.8223, 88.0538, 37.3224**, and the grayscale version is **31.7169, 33.3687, 36.3385**.

A 20% lighter version of the original color is **61.9626, 60.8636, 103.0898**, and **17.6318, 14.2842, 54.0524** is the 20% darker color. If you saturate the color by 10%, you get **31.7732, 24.9342, 96.0673**, and if you desaturate by 10%, it is **47.5764, 43.9645, 98.9076**.

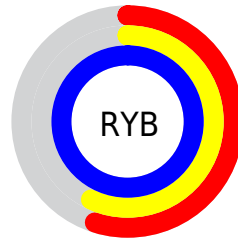
Distribution



Red (55%)

Green (58%)

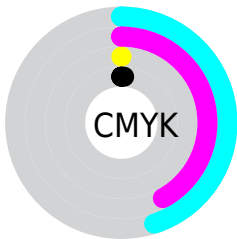
Blue (99%)



Red (55%)

Yellow (57%)

Blue (99%)

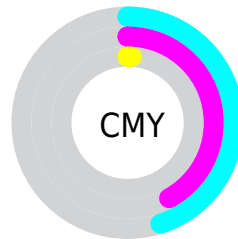


Cyan (45%)

Magenta (42%)

Yellow (0%)

Black (1%)



Cyan (45%)

Magenta (42%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8108, 33.4483, 97.3391 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 38.8108, 33.4483, 97.3391 by changing the saturation by 10% instead.

■ 38.8108, 33.4483,
97.3391

■ 38.8108, 33.4483,
97.3391

332.3065,
317.6650, 572.8011

■ 26.7926, 22.4701,
73.4757

■ 72.6451, 65.0748,
159.5155

■ 17.5533, 14.2027,
53.8709

■ 95.1920, 86.4919,
198.6656

■ 10.7275, 8.2618,
38.1060

121.9791,
112.1574, 243.7484

■ 5.9499, 4.2629,
25.7625

153.3719,
142.4557, 295.1824

■ 2.8550, 1.8217,
16.4219

189.7357,
177.7712, 353.3861

■ 1.0775, 0.5006,
9.6656

231.4358,

■ 0.0062, 0.0000,

218.4884, 418.7781

5.0751

278.8376,
264.9915, 491.7769

■ 0.0000, 0.0000,
2.2319

■ 0.0000, 0.0000,
0.6927

■ 38.8108, 33.4483,
97.3391

■ 38.8108, 33.4483,
97.3391

■ 31.7732, 24.9342,
96.0673

■ 47.5764, 43.9645,
98.9076

■ 26.3453, 18.2916,
95.0712

■ 58.1699, 56.5953,
100.7872

■ 22.4003, 13.3800,
94.3311

■ 70.6883, 71.4487,
102.9945

■ 19.7905, 10.0375,
93.8235

■ 85.2204, 88.6246,
105.5438

■ 18.3372, 8.0711,
93.5205

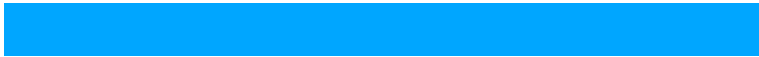
94.7297, 99.8719,
107.2136

■ 17.9420, 7.5164,
93.4343

Harmonies

Analogous

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



30.1050, 33.4483, 104.6697



38.8108, 33.4483, 97.3391



46.7423, 33.4483, 71.1096

Triad

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



38.8108, 33.4483, 97.3391



42.3086, 33.4483, 10.3399



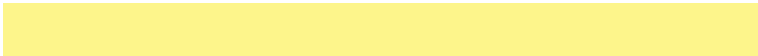
18.2631, 33.4483, 31.7192

Complementary

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



38.8108, 33.4483, 97.3391



77.8223, 88.0538, 37.3224

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.



20.4264, 33.4483, 15.3725



38.8108, 33.4483, 97.3391



33.5401, 33.4483, 7.0411

Square

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



38.8108, 33.4483, 97.3391



48.9983, 33.4483, 20.6816



25.6743, 33.4483, 8.3575



19.1741, 33.4483, 58.6145

Rectangle

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



38.8108, 33.4483, 97.3391



50.0117, 33.4483, 50.8347



25.6743, 33.4483, 8.3575



18.6407, 33.4483, 25.0249

Sweetspot

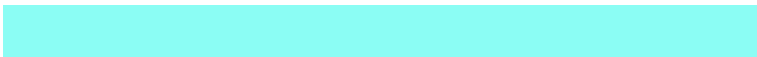
The Sweet Spot groups the original color and five complimentary colors.



38.8121, 33.4495, 97.3399



73.4232, 74.4654, 105.1112



62.0273, 82.2418, 97.7964



15.0803, 15.1864, 22.3864



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.



38.8121, 33.4495, 97.3399



33.0108, 26.1913, 97.9233



47.3352, 36.0608, 97.3947



17.1053, 17.5823, 22.7421



9.5808, 4.0712, 49.7154



0.9669, 0.4644, 4.8520

Inverse Universe

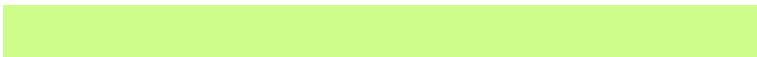
The Inverse Universe completely reimagines the original color for something new.



55.0083, 41.4561, 32.7073



51.4645, 35.5839, 24.2211



65.1018, 85.1660, 37.4354



18.0611, 18.0077, 18.9387



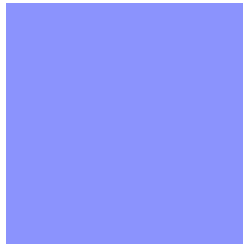
21.6242, 11.1390, 1.4053



2.1226, 1.0914, 0.2272

Previews

White Background



This preview shows how the XYZ color 38.8108, 33.4483, 97.3391 looks on a white background.

Color Contrast Check

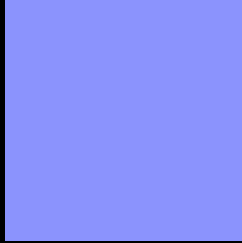
Large Text (above 18pt) WCAG AA × Fail

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 38.8108, 33.4483, 97.3391 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 38.8108, 33.4483, 97.3391

Background



This preview shows how black text looks on a background with the XYZ color 38.8108, 33.4483, 97.3391.



This preview shows how white text looks on a background with the XYZ color 38.8108, 33.4483,

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

38.8108, 33.4483, 97.3391

Protanopia

36.5115, 33.6473, 99.1780

Deuteranopia

34.6679, 33.5087, 95.9074



Tritanopia

28.6825, 33.5768, 46.5642

Trichromacy



Original Color

38.8108, 33.4483, 97.3391

Protanomaly

37.2682, 33.5741, 98.2821

Deuteranomaly

36.0322, 33.4556, 96.6539

Tritanomaly

31.8505, 33.2971, 62.5059

Monochromacy



Original Color

38.8108, 33.4483, 97.3391

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4833, 33.0723, 54.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8108, 33.4483, 97.3391 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(139, 147, 253)` looks like.

```
.text, #text, p{  
    color:rgb(139, 147, 253)  
}
```

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(139, 147, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 147, 253) }
```

Border

The CSS property to change the border of an element to XYZ 38.8108, 33.4483, 97.3391 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(139, 147, 253) }
```


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

```
.border{ border-color:rgb(139, 147, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 147, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 147, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 147, 253);  
box-shadow:4px 4px 4px 4px rgb(139, 147,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8108, 33.4483, 97.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 147, 253) }
```

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

```
.background{ background-color: rgb(139,  
147, 253) }
```

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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