

Converting Colors

XYZ(39.8302, 37.2071, 95.4438)

Have a look what the booklet for
XYZ(39.8302, 37.2071, 95.4438)
contains.

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Color

**XYZ(39.8178, 37.1946,
95.5231)**

Conversions

Conversions Part 1

Format	Color
Hex	87A0FA
RGB	135, 160, 250
RGB Percent	53%, 63%, 98%
CMY	0.4706, 0.3725, 0.0196
CMYK	0.46, 0.36, 0.00, 0.02
HSL	227°, 92%, 75%
HSV	227°, 46%, 98%
XYZ	39.8178, 37.1946, 95.5231
YIQ	162.7850, -43.7900, 22.6900

Conversions

Conversions Part 2

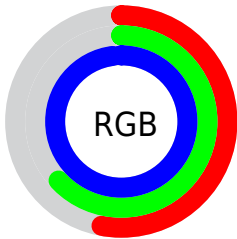
Format	Color
RYB	135, 156, 250
Decimal	8888570
CIELab	67.42, 14.54, -47.63
CIELCh	67, 49.799, 286.981
Yxy	37.1946, 0.2308, 0.2156
Android (android.graphics.Color)	4287078650 (0xFF87A0FA)
YUV	162.7850, 42.9970, -24.3674
Hunter-Lab	60.9874, 9.8122, -50.1734

Details

The XYZ color **39.8178, 37.1946, 95.5231** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.7245, 75.9261, 33.8513**, and the grayscale version is **34.5312, 36.3296, 39.5629**.

A 20% lighter version of the original color is **64.0889, 66.6506, 104.0947**, and **18.1548, 16.3653, 52.6540** is the 20% darker color. If you saturate the color by 10%, you get **33.1285, 29.1015, 94.3143**, and if you desaturate by 10%, it is **47.9879, 46.8447, 96.9559**.

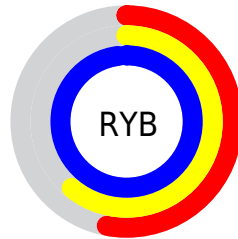
Distribution



Red (53%)

Green (63%)

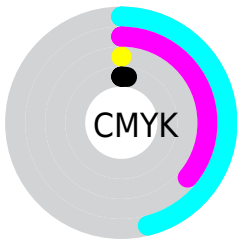
Blue (98%)



Red (53%)

Yellow (61%)

Blue (98%)

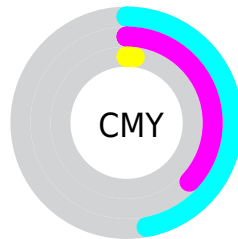


Cyan (46%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (47%)

Magenta (37%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8178, 37.1946, 95.5231 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 39.8178, 37.1946, 95.5231 by changing the saturation by 10% instead.

■ 39.8178, 37.1946,
95.5231

■ 39.8178, 37.1946,
95.5231

336.5026,
334.1523, 566.8653

■ 27.5801, 25.3582,
71.9711

■ 74.1721, 70.8720,
156.9889

■ 18.1482, 16.3441,
52.6484

■ 97.0194, 93.4817,
195.7398

■ 11.1568, 9.7680,
37.1364

■ 124.1339,
120.4514, 240.3941

■ 6.2405, 5.2454,
25.0165

155.8810,
152.1654, 291.3703

■ 3.0339, 2.3920,
15.8702

192.6261,
189.0081, 349.0870

■ 1.1717, 0.8217,
9.2790

234.7345,

■ 0.0839, 0.0000,

231.3639, 413.9627

4.8243

282.5716,
279.6171, 486.4160

■ 0.0000, 0.0000,
2.0876

■ 0.0000, 0.0000,
0.6084

■ 39.8178, 37.1946,
95.5231

■ 39.8178, 37.1946,
95.5231

■ 33.1285, 29.1015,
94.3143

■ 47.9879, 46.8447,
96.9559

■ 27.8239, 22.4771,
93.3152

■ 57.7186, 58.1256,
98.6204

■ 23.8026, 17.2297,
92.5143

■ 69.0886, 71.1110,
100.5276

■ 20.9464, 13.2549,
91.8976

■ 82.1701, 85.8690,
102.6867

■ 19.1128, 10.4309,
91.4492

■ 94.2555, 99.6822,
104.7160

■ 18.5907, 9.5726,
91.3110

Harmonies

Analogous

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



32.1455, 37.1946, 96.8627



39.8178, 37.1946, 95.5231



47.2152, 37.1946, 76.5107

Triad

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



39.8178, 37.1946, 95.5231



46.3499, 37.1946, 16.8718



22.8859, 37.1946, 31.7419

Complementary

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



39.8178, 37.1946, 95.5231



70.7245, 75.9261, 33.8513

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.



25.6642, 37.1946, 18.0448



39.8178, 37.1946, 95.5231



38.7656, 37.1946, 11.7850

Square

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



39.8178, 37.1946, 95.5231



51.3430, 37.1946, 29.4138



31.2339, 37.1946, 12.1186



23.0831, 37.1946, 54.0678

Rectangle

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



39.8178, 37.1946, 95.5231



50.6672, 37.1946, 59.2758



31.2339, 37.1946, 12.1186



23.4837, 37.1946, 26.1757

Sweetspot

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



39.8192, 37.1959, 95.5240



74.8393, 77.2978, 105.5832



57.5204, 78.8599, 82.1211



15.4205, 15.8668, 22.4998



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.



39.8192, 37.1959, 95.5240



35.2490, 31.1711, 98.7665



41.5771, 32.3031, 94.4869



16.5889, 17.2546, 21.8414



9.9463, 5.2483, 48.4623



0.9955, 0.6347, 4.5132

Inverse Universe

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



54.4347, 40.1917, 38.1475



52.4714, 35.5162, 30.9736



67.8739, 85.2333, 35.7980



17.3990, 17.2870, 18.6910



21.3125, 10.9407, 3.0880



2.0114, 1.0283, 0.4836

Previews

White Background



This preview shows how the XYZ color 39.8178, 37.1946, 95.5231 looks on a white background.

Color Contrast Check

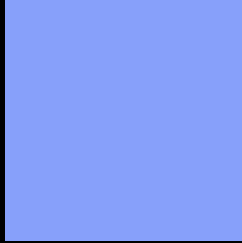
Large Text (above 18pt) WCAG AA × Fail

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 39.8178, 37.1946, 95.5231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

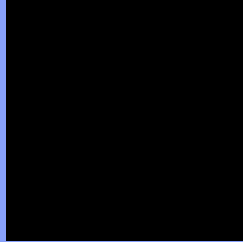
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8178, 37.1946, 95.5231

Background



This preview shows how black text looks on a background with the XYZ color 39.8178, 37.1946, 95.5231.



This preview shows how white text looks on a background with the XYZ color 39.8178, 37.1946,

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

39.8178, 37.1946, 95.5231

Protanopia

39.6732, 37.3603, 96.3870

Deuteranopia

38.2221, 37.1715, 94.7828



Tritanopia

31.2493, 37.2569, 52.5580

Trichromacy



Original Color

39.8178, 37.1946, 95.5231

Protanomaly

39.8303, 37.4413, 96.3944

Deuteranomaly

38.7716, 37.1922, 94.7579

Tritanomaly

33.9477, 36.9435, 66.3143

Monochromacy



Original Color

39.8178, 37.1946, 95.5231

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.9075, 36.5531, 56.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8178, 37.1946, 95.5231 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(135, 160, 250)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 250)  
}
```

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(135, 160, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 250) }
```

Border

The CSS property to change the border of an element to XYZ 39.8178, 37.1946, 95.5231 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(135, 160, 250) }
```


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

```
.border{ border-color:rgb(135, 160, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 160, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 160, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 160, 250);  
box-shadow:4px 4px 4px 4px rgb(135, 160,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8178, 37.1946, 95.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 250) }
```

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

```
.background{ background-color: rgb(135,  
160, 250) }
```

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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