

Converting Colors

XYZ(39.9828, 31.6597,
113.6337)

Have a look what the booklet for
XYZ(39.9828, 31.6597, 113.6337)
contains.

XYZ(37.1302, 30.5479, 98.5471)	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(37.1302, 30.5479,
98.5471)**

Conversions

Conversions Part 1

Format	Color
Hex	878AFF
RGB	135, 138, 255
RGB Percent	53%, 54%, 100%
CMY	0.4706, 0.4588, 0.0000
CMYK	0.47, 0.46, 0.00, 0.00
HSL	239°, 100%, 76%
HSV	239°, 47%, 100%
XYZ	37.1302, 30.5479, 98.5471
YIQ	150.4410, -39.3450, 35.7510

Conversions

Conversions Part 2

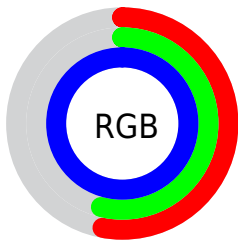
Format	Color
RYB	135, 138, 255
Decimal	8882943
CIELab	62.12, 28.77, -58.76
CIElCh	62, 65.427, 296.085
Yxy	30.5479, 0.2234, 0.1838
Android (android.graphics.Color)	4287073023 (0xFF878AFF)
YUV	150.4410, 51.5476, -13.5418
Hunter-Lab	55.2702, 23.1926, -67.0254

Details

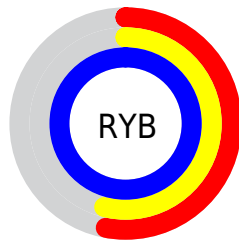
The XYZ color **37.1302, 30.5479, 98.5471** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.4251, 92.6325, 36.5648**, and the grayscale version is **28.9775, 30.4866, 33.1999**.

A 20% lighter version of the original color is **58.9289, 55.9509, 102.3015**, and **16.5844, 12.5525, 54.9749** is the 20% darker color. If you saturate the color by 10%, you get **30.3397, 22.3446, 97.3216**, and if you desaturate by 10%, it is **45.7218, 40.8924, 100.0910**.

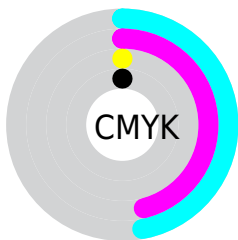
Distribution



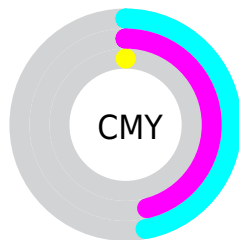
- Red (53%)
- Green (54%)
- Blue (100%)



- Red (53%)
- Yellow (54%)
- Blue (100%)



- Cyan (47%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1302, 30.5479, 98.5471 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 37.1302, 30.5479, 98.5471 by changing the saturation by 10% instead.

37.1302, 30.5479,
98.5471

37.1302, 30.5479,
98.5471

325.2196,
304.4501, 576.7313

25.4825, 20.2548,
74.4776

70.0855, 60.5276,
161.1936

16.5675, 12.5804,
54.6859

92.1238, 80.9830,
200.6076

10.0200, 7.1403,
38.7534

118.3563,
105.5946, 245.9736

5.4746, 3.5500,
26.2616

149.1484,
134.7469, 297.7100

2.5659, 1.4252,
16.7919

184.8654,
168.8241, 356.2355

0.9286, 0.2352,
9.9259

225.8727,

0.0000, 0.0000,

208.2108, 421.9685

5.2449

272.5357,
253.2913, 495.3275

■ 0.0000, 0.0000,
2.3304

■ 0.0000, 0.0000,
0.7482

■ 37.1302, 30.5479,
98.5471

■ 37.1302, 30.5479,
98.5471

■ 30.3397, 22.3446,
97.3216

■ 45.7218, 40.8924,
100.0910

■ 25.2190, 16.1298,
96.3919

■ 56.2263, 53.5103,
101.9728

■ 21.6249, 11.7356,
95.7332

■ 68.7507, 68.5270,
104.2112

■ 19.3882, 8.9650,
95.3163

■ 83.3930, 86.0577,
106.8232

■ 18.2968, 7.5741,
95.1053

95.0500, 100.0000,
108.9000

■ 18.1191, 7.3582,
95.0730

Harmonies

Analogous

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



27.8945, 30.5479, 108.8364



37.1302, 30.5479, 98.5471



45.4657, 30.5479, 68.2974

Triad

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



37.1302, 30.5479, 98.5471



39.5386, 30.5479, 7.0738



15.2118, 30.5479, 30.0605

Complementary

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



37.1302, 30.5479, 98.5471



80.4251, 92.6325, 36.5648

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.



17.1331, 30.5479, 12.8848



37.1302, 30.5479, 98.5471



30.2058, 30.5479, 4.5537

Square

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



37.1302, 30.5479, 98.5471



47.0419, 30.5479, 16.1773



22.2110, 30.5479, 5.9590



16.3329, 30.5479, 59.4492

Rectangle

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



37.1302, 30.5479, 98.5471



48.7551, 30.5479, 46.3323



22.2110, 30.5479, 5.9590



15.5108, 30.5479, 22.9139

Sweetspot

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



37.1313, 30.5489, 98.5472



72.9972, 73.6136, 104.9692



63.1652, 83.6364, 104.0812



14.9784, 14.9826, 22.3524



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.



37.1313, 30.5489, 98.5472



30.9760, 23.1147, 97.4367



48.2014, 35.6263, 98.9438



17.0394, 17.4504, 22.7201



9.4833, 3.8763, 49.6830



0.9356, 0.4019, 4.8415

Inverse Universe

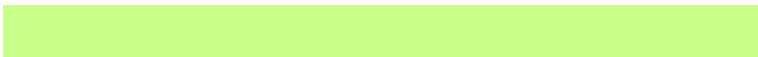
The Inverse Universe completely reimagines the original color for something new.



54.4923, 40.4246, 28.9762



50.1950, 34.1480, 20.3973



63.6875, 85.4119, 36.0532



18.0278, 17.9944, 18.7634



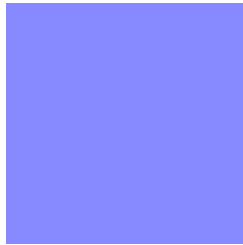
21.5750, 11.1193, 1.1462



2.1069, 1.0851, 0.1441

Previews

White Background



This preview shows how the XYZ color 37.1302, 30.5479, 98.5471 looks on a white background.

Color Contrast Check

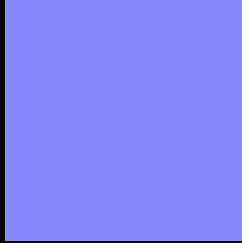
Large Text (above 18pt) WCAG AA × Fail

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 37.1302, 30.5479, 98.5471 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 37.1302, 30.5479, 98.5471

Background



This preview shows how black text looks on a background with the XYZ color 37.1302, 30.5479, 98.5471.



This preview shows how white text looks on a background with the XYZ color 37.1302, 30.5479,

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

37.1302, 30.5479, 98.5471

Protanopia

33.9224, 30.6613, 98.7381

Deuteranopia

31.7792, 30.7812, 96.3619



Tritanopia

25.8682, 30.3957, 42.5338

Trichromacy



Original Color

37.1302, 30.5479, 98.5471

Protanomaly

34.9427, 30.5098, 98.6550

Deuteranomaly

33.1541, 30.3023, 97.0300

Tritanomaly

29.1947, 30.0228, 59.5146

Monochromacy



Original Color

37.1302, 30.5479, 98.5471

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.0330, 30.2084, 51.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1302, 30.5479, 98.5471 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, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 138, 255)  
}
```

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, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.1302, 30.5479, 98.5471 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, 138, 255) }
```


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

```
.border{ border-color:rgb(135, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1302, 30.5479, 98.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 138, 255) }
```

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

```
.background{ background-color: rgb(135,  
138, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor