

Converting Colors

XYZ(37.4487, 30.5942, 98.5392)

Have a look what the booklet for
XYZ(37.4487, 30.5942, 98.5392)
contains.

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Color

**XYZ(37.3122, 30.4297,
98.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	8989FF
RGB	137, 137, 255
RGB Percent	54%, 54%, 100%
CMY	0.4627, 0.4627, 0.0000
CMYK	0.46, 0.46, 0.00, 0.00
HSL	240°, 100%, 77%
HSV	240°, 46%, 100%
XYZ	37.3122, 30.4297, 98.5147
YIQ	150.4520, -37.8780, 36.6980

Conversions

Conversions Part 2

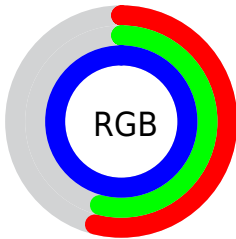
Format	Color
RYB	137, 137, 255
Decimal	9013759
CIELab	62.02, 29.80, -58.92
CIElCh	62, 66.024, 296.830
Yxy	30.4297, 0.2244, 0.1830
Android (android.graphics.Color)	4287203839 (0xFF8989FF)
YUV	150.4520, 51.5422, -11.7974
Hunter-Lab	55.1631, 24.2015, -67.2706

Details

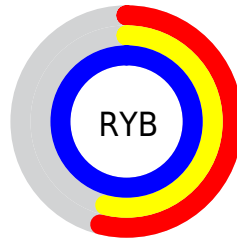
The XYZ color **37.3122, 30.4297, 98.5147** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.5142, 94.5856, 37.6282**, and the grayscale version is **28.9817, 30.4910, 33.2047**.

A 20% lighter version of the original color is **59.2284, 55.7827, 102.2532**, and **16.7431, 12.5133, 54.9589** is the 20% darker color. If you saturate the color by 10%, you get **30.4088, 22.1112, 97.2729**, and if you desaturate by 10%, it is **46.0619, 40.9722, 100.0884**.

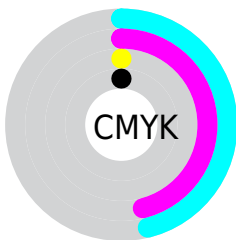
Distribution



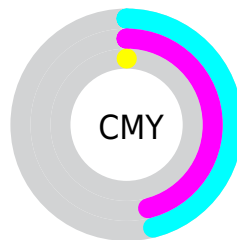
- Red (54%)
- Green (54%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3122, 30.4297, 98.5147 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 37.3122, 30.4297, 98.5147 by changing the saturation by 10% instead.

■ 37.3122, 30.4297,
98.5147

■ 37.3122, 30.4297,
98.5147

325.9923,
303.9023, 576.6260

■ 25.6241, 20.1650,
74.4507

■ 70.3634, 60.3411,
161.1486

■ 16.6738, 12.5150,
54.6640

■ 92.4572, 80.7565,
200.5555

■ 10.0961, 7.0954,
38.7360

■ 118.7503,
105.3243, 245.9139

■ 5.5255, 3.5219,
26.2482

149.6080,
134.4288, 297.6423

■ 2.5966, 1.4099,
16.7820

185.3957,
168.4545, 356.1591

■ 0.9442, 0.2240,
9.9188

226.4788,

■ 0.0000, 0.0000,

207.7857, 421.8830

5.2403

273.2225,
252.8068, 495.2325

■ 0.0000, 0.0000,
2.3277

■ 0.0000, 0.0000,
0.7467

■ 37.3122, 30.4297,
98.5147

■ 37.3122, 30.4297,
98.5147

■ 30.4088, 22.1112,
97.2729

■ 46.0619, 40.9722,
100.0884

■ 25.2163, 15.8546,
96.3389

■ 56.7736, 53.8791,
102.0152

■ 21.5866, 11.4811,
95.6861

■ 69.5575, 69.2829,
104.3146

■ 19.3445, 8.7796,
95.2828

■ 84.5145, 87.3053,
107.0050

■ 18.2722, 7.4876,
95.0899

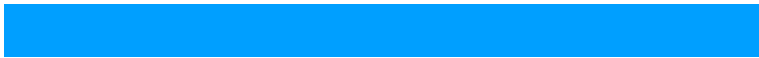
95.0500, 100.0000,
108.9000

■ 18.0501, 7.2200,
95.0500

Harmonies

Analogous

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



27.9908, 30.4297, 109.6120



37.3122, 30.4297, 98.5147



45.6524, 30.4297, 67.6327

Triad

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



37.3122, 30.4297, 98.5147



39.2792, 30.4297, 6.7763



15.0305, 30.4297, 30.5077

Complementary

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



37.3122, 30.4297, 98.5147



81.5142, 94.5856, 37.6282

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.



16.8788, 30.4297, 12.9674



37.3122, 30.4297, 98.5147



29.8747, 30.4297, 4.3939

Square

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



37.3122, 30.4297, 98.5147



46.9413, 30.4297, 15.6315



21.8953, 30.4297, 5.8824



16.2295, 30.4297, 60.3893

Rectangle

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



37.3122, 30.4297, 98.5147



48.8812, 30.4297, 45.5370



21.8953, 30.4297, 5.8824



15.3049, 30.4297, 23.2144

Sweetspot

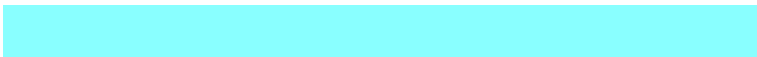
The Sweet Spot groups the original color and five complimentary colors.



37.3133, 30.4307, 98.5148



72.7639, 73.1465, 104.8914



64.1268, 84.0585, 107.4528



14.9226, 14.8709, 22.3338



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.



37.3133, 30.4307, 98.5148



30.5744, 22.3107, 97.3027



49.7611, 36.8478, 99.0974



17.0032, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



68.2354, 46.3717, 99.9591



65.1056, 40.1123, 98.9153



63.0407, 85.0621, 36.7637



18.7927, 18.3004, 22.7917



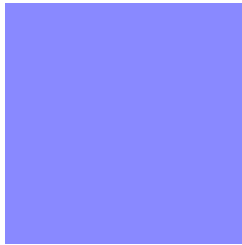
30.9797, 14.8812, 50.6709



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 37.3122, 30.4297, 98.5147 looks on a white background.

Color Contrast Check

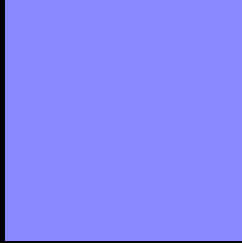
Large Text (above 18pt) WCAG AA × Fail

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 37.3122, 30.4297, 98.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

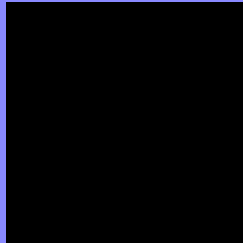
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3122, 30.4297, 98.5147

Background



This preview shows how black text looks on a background with the XYZ color 37.3122, 30.4297, 98.5147.



This preview shows how white text looks on a background with the XYZ color 37.3122, 30.4297,

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

37.3122, 30.4297, 98.5147

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.7792, 30.7812, 96.3619



Tritanopia

26.0285, 30.4892, 42.0493

Trichromacy



Original Color

37.3122, 30.4297, 98.5147

Protanomaly

34.9427, 30.5098, 98.6550

Deuteranomaly

33.1541, 30.3023, 97.0300

Tritanomaly

29.3577, 30.1204, 58.9101

Monochromacy



Original Color

37.3122, 30.4297, 98.5147

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.8796, 29.9014, 51.7210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3122, 30.4297, 98.5147 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(137, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 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(137, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3122, 30.4297, 98.5147 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(137, 137, 255) }
```


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

```
.border{ border-color:rgb(137, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3122, 30.4297, 98.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 255) }
```

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

```
.background{ background-color: rgb(137,  
137, 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](#).

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