

Converting Colors

XYZ(37.3144, 30.3669, 91.8903)

Have a look what the booklet for
XYZ(37.3144, 30.3669, 91.8903)
contains.

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Color

**XYZ(37.2697, 30.3435,
91.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	9188F7
RGB	145, 136, 247
RGB Percent	57%, 53%, 97%
CMY	0.4314, 0.4667, 0.0314
CMYK	0.41, 0.45, 0.00, 0.03
HSL	245°, 87%, 75%
HSV	245°, 45%, 97%
XYZ	37.2697, 30.3435, 91.8882
YIQ	151.3450, -30.2670, 36.4290

Conversions

Conversions Part 2

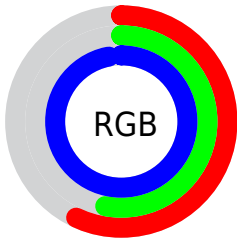
Format	Color
R _Y B	145, 136, 247
Decimal	9537783
CIE Lab	61.95, 29.98, -54.60
CIE LCh	62, 62.293, 298.767
Yxy	30.3435, 0.2337, 0.1902
Android (android.graphics.Color)	4287727863 (0xFF9188F7)
YUV	151.3450, 47.1579, -5.5646
Hunter-Lab	55.0849, 24.3720, -60.3433

Details

The XYZ color **37.2697, 30.3435, 91.8882** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.9646, 86.4765, 36.1395**, and the grayscale version is **29.3777, 30.9077, 33.6584**.

A 20% lighter version of the original color is **60.8762, 56.3117, 102.2685**, and **16.6466, 12.4480, 50.2405** is the 20% darker color. If you saturate the color by 10%, you get **30.5757, 22.3105, 90.6911**, and if you desaturate by 10%, it is **45.5664, 40.3934, 93.3913**.

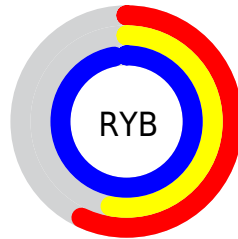
Distribution



Red (57%)

Green (53%)

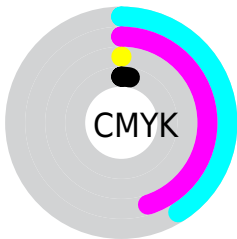
Blue (97%)



Red (57%)

Yellow (53%)

Blue (97%)

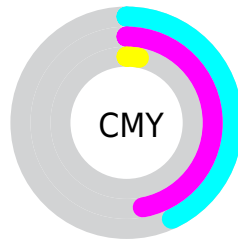


Cyan (41%)

Magenta (45%)

Yellow (0%)

Black (3%)



Cyan (43%)

Magenta (47%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2697, 30.3435, 91.8882 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 37.2697, 30.3435, 91.8882 by changing the saturation by 10% instead.

■ 37.2697, 30.3435,
91.8882

■ 37.2697, 30.3435,
91.8882

325.8120,
303.5023, 554.8819

■ 25.5910, 20.0995,
68.9653

■ 70.2985, 60.2050,
151.9168

■ 16.6490, 12.4674,
50.2118

■ 92.3794, 80.5912,
189.8595

■ 10.0783, 7.0628,
35.2094

■ 118.6583,
105.1270, 233.6459

■ 5.5136, 3.5014,
23.5394

149.5007,
134.1966, 283.6945

■ 2.5894, 1.3988,
14.7832

185.2719,
168.1846, 340.4239

■ 0.9406, 0.2158,
8.5225

226.3373,

■ 0.0000, 0.0000,

207.4753, 404.2526

4.3385

273.0622,
252.4530, 475.5991

■ 0.0000, 0.0000,
1.8128

■ 0.0000, 0.0000,
0.4364

■ 37.2697, 30.3435,
91.8882

■ 37.2697, 30.3435,
91.8882

■ 30.5757, 22.3105,
90.6911

■ 45.5664, 40.3934,
93.3913

■ 25.3772, 16.1548,
89.7769

■ 55.5567, 52.5805,
95.2171

■ 21.5595, 11.7243,
89.1229

■ 67.3287, 67.0197,
97.3837

■ 18.9895, 8.8415,
88.7020

■ 80.9635, 83.8165,
99.9072

■ 17.5071, 7.2902,
88.4807

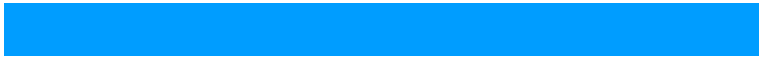
■ 93.7886, 99.4954,
102.2576

■ 17.0777, 6.8645,
88.4211

Harmonies

Analogous

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



28.4968, 30.3435, 103.5408



37.2697, 30.3435, 91.8882



44.8463, 30.3435, 63.0440

Triad

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



37.2697, 30.3435, 91.8882



37.9835, 30.3435, 7.2683



15.5921, 30.3435, 32.0601

Complementary

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



37.2697, 30.3435, 91.8882



72.9646, 86.4765, 36.1395

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.



17.1838, 30.3435, 14.4841



37.2697, 30.3435, 91.8882



29.1872, 30.3435, 5.1049

Square

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



37.2697, 30.3435, 91.8882



45.3112, 30.3435, 15.4949



21.7891, 30.3435, 6.9140



16.9405, 30.3435, 60.4463

Rectangle

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



37.2697, 30.3435, 91.8882



47.6092, 30.3435, 42.8206



21.7891, 30.3435, 6.9140



15.7944, 30.3435, 24.8733

Sweetspot

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



37.2709, 30.3446, 91.8889



75.0391, 75.3164, 105.1903



57.9850, 74.0353, 99.2303



15.4081, 15.3173, 22.3944



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.



37.2709, 30.3446, 91.8889



33.4189, 24.6381, 97.6020



49.1202, 36.4531, 92.4435



15.7057, 15.9909, 20.8013



9.0775, 3.6539, 46.7649



0.8399, 0.3428, 4.1121

Inverse Universe

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



62.5950, 43.5563, 85.9961



63.9400, 40.5741, 89.9164



57.4966, 78.5025, 35.4156



17.1522, 16.7437, 20.5483



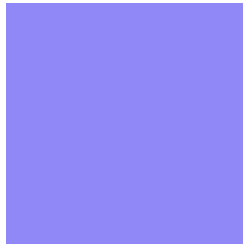
27.6419, 13.4002, 39.6844



2.4463, 1.1845, 3.5766

Previews

White Background



This preview shows how the XYZ color 37.2697, 30.3435, 91.8882 looks on a white background.

Color Contrast Check

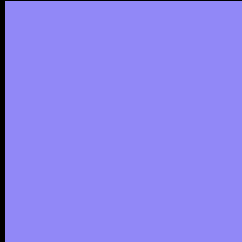
Large Text (above 18pt) WCAG AA × Fail

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 37.2697, 30.3435, 91.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

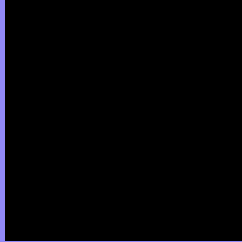
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2697, 30.3435, 91.8882

Background



This preview shows how black text looks on a background with the XYZ color 37.2697, 30.3435, 91.8882.



This preview shows how white text looks on a background with the XYZ color 37.2697, 30.3435,

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

37.2697, 30.3435, 91.8882

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.5499, 30.5685, 89.8254



Tritanopia

26.9881, 30.2612, 40.9778

Trichromacy



Original Color

37.2697, 30.3435, 91.8882

Protanomaly

34.7149, 30.2258, 96.1000

Deuteranomaly

33.1624, 30.2229, 90.4720

Tritanomaly

29.9132, 29.7585, 56.3919

Monochromacy



Original Color

37.2697, 30.3435, 91.8882

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.5362, 30.4925, 50.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2697, 30.3435, 91.8882 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(145, 136, 247)` looks like.

```
.text, #text, p{  
    color:rgb(145, 136, 247)  
}
```

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(145, 136, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 136, 247) }
```

Border

The CSS property to change the border of an element to XYZ 37.2697, 30.3435, 91.8882 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(145, 136, 247) }
```


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

```
.border{ border-color:rgb(145, 136, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 136, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 136, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 136, 247);  
box-shadow:4px 4px 4px 4px rgb(145, 136,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2697, 30.3435, 91.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 136, 247) }
```

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

```
.background{ background-color: rgb(145,  
136, 247) }
```

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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