

Converting Colors

XYZ(35.7416, 31.7090, 83.5541)

Have a look what the booklet for
XYZ(35.7416, 31.7090, 83.5541)
contains.

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Color

**XYZ(35.7470, 31.7102,
83.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	8A91EC
RGB	138, 145, 236
RGB Percent	54%, 57%, 93%
CMY	0.4588, 0.4314, 0.0745
CMYK	0.42, 0.39, 0.00, 0.07
HSL	236°, 72%, 73%
HSV	236°, 42%, 93%
XYZ	35.7470, 31.7102, 83.5935
YIQ	153.2810, -33.3830, 26.8170

Conversions

Conversions Part 2

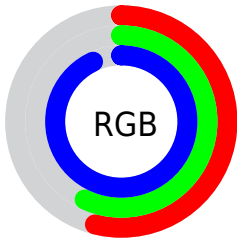
Format	Color
RYB	138, 145, 236
Decimal	9081324
CIELab	63.10, 19.95, -46.75
CIElCh	63, 50.830, 293.115
Yxy	31.7102, 0.2367, 0.2099
Android (android.graphics.Color)	4287271404 (0xFF8A91EC)
YUV	153.2810, 40.7805, -13.4014
Hunter-Lab	56.3118, 14.7670, -48.5963

Details

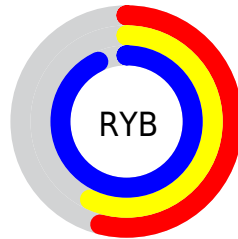
The XYZ color **35.7470, 31.7102, 83.5935** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.2003, 75.7085, 35.1179**, and the grayscale version is **30.2400, 31.8148, 34.6463**.

A 20% lighter version of the original color is **60.9791, 59.6689, 102.9111**, and **15.8101, 13.2735, 44.9088** is the 20% darker color. If you saturate the color by 10%, you get **29.2264, 23.8484, 82.4203**, and if you desaturate by 10%, it is **43.7641, 41.3033, 85.0232**.

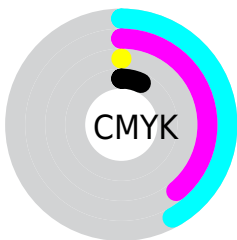
Distribution



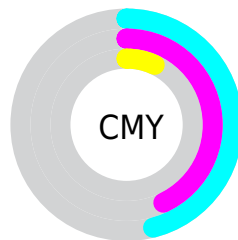
- Red (54%)
- Green (57%)
- Blue (93%)



- Red (54%)
- Yellow (57%)
- Blue (93%)



- Cyan (42%)
- Magenta (39%)
- Yellow (0%)
- Black (7%)



- Cyan (46%)
- Magenta (43%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7470, 31.7102, 83.5935 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 35.7470, 31.7102, 83.5935 by changing the saturation by 10% instead.

■ 35.7470, 31.7102,
83.5935

■ 35.7470, 31.7102,
83.5935

319.3039,
309.7970, 526.9851

■ 24.4081, 21.1402,
62.1364

■ 67.9678, 62.3565,
140.2631

■ 15.7630, 13.2266,
44.7064

■ 89.5804, 83.2016,
176.3126

■ 9.4464, 7.5847,
30.8850

115.3483,
108.2406, 218.0634

■ 5.0929, 3.8304,
20.2536

145.6367,
137.8578, 265.9340

■ 2.3372, 1.5791,
12.3936

180.8112,
172.4377, 320.3430

■ 0.8136, 0.3435,
6.8865

221.2370,

■ 0.0000, 0.0000,

212.3646, 381.7088

3.3139

267.2794,
258.0229, 450.4500

■ 0.0000, 0.0000,
1.2570

■ 0.0000, 0.0000,
0.0262

■ 35.7470, 31.7102,
83.5935

■ 35.7470, 31.7102,
83.5935

■ 29.2264, 23.8484,
82.4203

■ 43.7641, 41.3033,
85.0232

■ 24.1060, 17.6113,
81.4863

■ 53.3590, 52.7189,
86.7210

■ 20.2838, 12.8859,
80.7757

■ 64.6112, 66.0459,
88.7003

■ 17.6424, 9.5432,
80.2697

■ 77.5940, 81.3663,
90.9731

■ 16.0427, 7.4323,
79.9465

■ 92.0055, 98.5664,
93.5335

■ 15.3386, 6.4525,
79.7945

■ 92.1404, 98.8362,
93.5785

Harmonies

Analogous

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



28.5523, 31.7102, 88.7831



35.7470, 31.7102, 83.5935



42.2577, 31.7102, 63.2680

Triad

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



35.7470, 31.7102, 83.5935



38.9758, 31.7102, 11.9396



18.6402, 31.7102, 30.1026

Complementary

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



35.7470, 31.7102, 83.5935



67.2003, 75.7085, 35.1179

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.



20.5926, 31.7102, 16.1528



35.7470, 31.7102, 83.5935



31.7847, 31.7102, 8.6330

Square

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



35.7470, 31.7102, 83.5935



44.3146, 31.7102, 21.4812



25.1516, 31.7102, 9.8015



19.3643, 31.7102, 52.0074

Rectangle

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



35.7470, 31.7102, 83.5935



44.9655, 31.7102, 46.9977



25.1516, 31.7102, 9.8015



18.9937, 31.7102, 24.4840

Sweetspot

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



35.7482, 31.7113, 83.5943



76.2703, 77.8427, 105.6130



54.4583, 70.9873, 84.1100



15.9266, 16.1904, 22.5356



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.



35.7482, 31.7113, 83.5943



35.7666, 29.5496, 98.4263



42.7822, 33.7987, 83.6264



14.3176, 14.7216, 19.0092



8.4886, 3.6243, 43.9951



0.6968, 0.3451, 3.4648

Inverse Universe

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



48.7925, 38.0557, 31.5628



53.3811, 38.3630, 28.1097



57.1329, 73.4511, 35.2128



15.1091, 15.0715, 15.8598



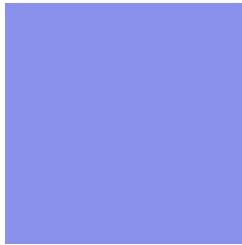
19.1400, 9.8587, 1.2725



1.5182, 0.7803, 0.1804

Previews

White Background



This preview shows how the XYZ color 35.7470, 31.7102, 83.5935 looks on a white background.

Color Contrast Check

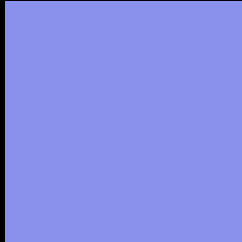
Large Text (above 18pt) WCAG AA × Fail

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 35.7470, 31.7102, 83.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

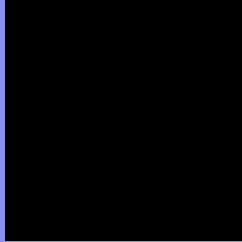
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7470, 31.7102, 83.5935

Background



This preview shows how black text looks on a background with the XYZ color 35.7470, 31.7102, 83.5935.



This preview shows how white text looks on a background with the XYZ color 35.7470, 31.7102,

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

35.7470, 31.7102, 83.5935

Protanopia

34.0834, 31.7081, 86.7620

Deuteranopia

32.6351, 31.7765, 82.2553



Tritanopia

27.7749, 31.8741, 43.2165

Trichromacy



Original Color

35.7470, 31.7102, 83.5935

Protanomaly

34.7741, 31.8474, 85.9757

Deuteranomaly

33.6280, 31.5580, 82.9162

Tritanomaly

30.3080, 31.6405, 56.1396

Monochromacy



Original Color

35.7470, 31.7102, 83.5935

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.6663, 31.5275, 49.2162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7470, 31.7102, 83.5935 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(138, 145, 236)` looks like.

```
.text, #text, p{  
    color:rgb(138, 145, 236)  
}
```

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(138, 145, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 145, 236) }
```

Border

The CSS property to change the border of an element to XYZ 35.7470, 31.7102, 83.5935 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(138, 145, 236) }
```


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

```
.border{ border-color:rgb(138, 145, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 145, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 145, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 145, 236);  
box-shadow:4px 4px 4px 4px rgb(138, 145,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7470, 31.7102, 83.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 145, 236) }
```

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

```
.background{ background-color: rgb(138,  
145, 236) }
```

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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