

Converting Colors

XYZ(35.8294, 31.7750, 86.2255)

Have a look what the booklet for
XYZ(35.8294, 31.7750, 86.2255)
contains.

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Color

**XYZ(35.6971, 31.6337,
85.8858)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8791EF |
| RGB | 135, 145, 239 |
| RGB Percent | 53%, 57%, 94% |
| CMY | 0.4706, 0.4314, 0.0627 |
| CMYK | 0.44, 0.39, 0.00, 0.06 |
| HSL | 234°, 76%, 73% |
| HSV | 234°, 44%, 94% |
| XYZ | 35.6971, 31.6337, 85.8858 |
| YIQ | 152.7260, -36.1340, 27.1140 |

Conversions

Conversions Part 2

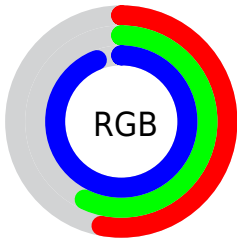
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 135, 144, 239 |
| Decimal | 8884719 |
| CIE _{Lab} | 63.04, 20.06, -48.52 |
| CIE _{LCh} | 63, 52.502, 292.464 |
| Yxy | 31.6337, 0.2330, 0.2065 |
| Android (android.graphics.Color) | 4287074799 (0xFF8791EF) |
| YUV | 152.7260, 42.5331, -15.5457 |
| Hunter-Lab | 56.2438, 14.8645, -51.1667 |

Details

The XYZ color **35.6971, 31.6337, 85.8858** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.9906, 76.1408, 34.0366**, and the grayscale version is **29.9928, 31.5547, 34.3631**.

A 20% lighter version of the original color is **60.2117, 59.2733, 102.8751**, and **15.6776, 13.1815, 45.9740** is the 20% darker color. If you saturate the color by 10%, you get **29.2815, 23.8837, 84.7286**, and if you desaturate by 10%, it is **43.6058, 41.0861, 87.2941**.

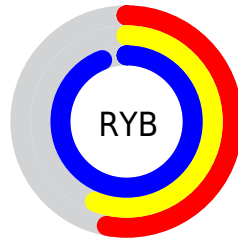
Distribution



Red (53%)

Green (57%)

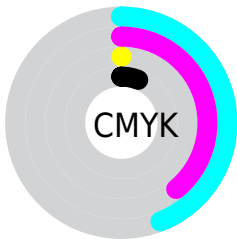
Blue (94%)



Red (53%)

Yellow (56%)

Blue (94%)

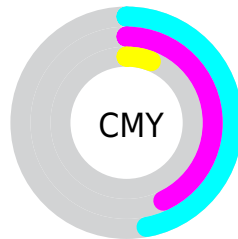


Cyan (44%)

Magenta (39%)

Yellow (0%)

Black (6%)



Cyan (47%)

Magenta (43%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6971, 31.6337, 85.8858 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 35.6971, 31.6337, 85.8858 by changing the saturation by 10% instead.

■ 35.6971, 31.6337,
85.8858

■ 35.6971, 31.6337,
85.8858

319.0891,
309.4472, 534.7754

■ 24.3694, 21.0819,
64.0192

■ 67.8912, 62.2364,
143.4952

■ 15.7341, 13.1839,
46.2199

■ 89.4883, 83.0561,
180.0752

■ 9.4258, 7.5553,
32.0695

■ 115.2393,
108.0671, 222.3966

■ 5.0793, 3.8117,
21.1493

145.5094,
137.6540, 270.8781

■ 2.3291, 1.5688,
13.0409

180.6641,
172.2010, 325.9382

■ 0.8095, 0.3364,
7.3257

221.0687,

■ 0.0000, 0.0000,

212.0927, 387.9954

3.5851

267.0886,
257.7133, 457.4683

■ 0.0000, 0.0000,
1.4006

■ 0.0000, 0.0000,
0.1422

■ 35.6971, 31.6337,
85.8858

■ 35.6971, 31.6337,
85.8858

■ 29.2815, 23.8837,
84.7286

■ 43.6058, 41.0861,
87.2941

■ 24.2612, 17.7311,
83.8057

■ 53.0897, 52.3305,
88.9646

■ 20.5325, 13.0647,
83.1015

■ 64.2296, 65.4543,
90.9106

■ 17.9753, 9.7575,
82.5979

■ 77.0993, 80.5383,
93.1438

■ 16.4467, 7.6604,
82.2737

■ 91.7683, 97.6583,
95.6752

■ 15.8860, 6.8439,
82.1457

■ 92.5801, 99.0120,
95.8937

Harmonies

Analogous

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



28.2803, 31.6337, 90.9026



35.6971, 31.6337, 85.8858



42.4914, 31.6337, 64.8374

Triad

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



35.6971, 31.6337, 85.8858



39.3561, 31.6337, 11.5377



18.2845, 31.6337, 29.4818

Complementary

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



35.6971, 31.6337, 85.8858



67.9906, 76.1408, 34.0366

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.



20.3364, 31.6337, 15.4367



35.6971, 31.6337, 85.8858



31.9271, 31.6337, 8.1321

Square

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



35.6971, 31.6337, 85.8858



44.8289, 31.6337, 21.3618



25.0622, 31.6337, 9.1981



18.9637, 31.6337, 52.0041

Rectangle

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



35.6971, 31.6337, 85.8858



45.3645, 31.6337, 47.8853



25.0622, 31.6337, 9.1981



18.6647, 31.6337, 23.7871

Sweetspot

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



35.6983, 31.6348, 85.8866



75.0634, 76.5962, 105.4360



54.9464, 72.5196, 84.9388



15.4140, 15.6277, 22.4540



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.



35.6983, 31.6348, 85.8866



34.8173, 28.7559, 98.3231



42.2860, 32.8620, 85.7762



15.0195, 15.4730, 19.9166



8.8205, 3.8653, 45.4091



0.7748, 0.4036, 3.7913

Inverse Universe

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



49.3725, 37.7246, 31.4683



52.6323, 37.0309, 27.3497



58.3717, 75.4076, 34.4021



15.8345, 15.7835, 16.6848



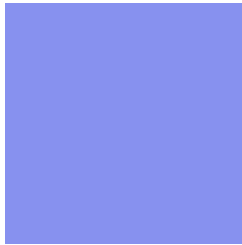
19.7778, 10.1836, 1.4806



1.6660, 0.8555, 0.2322

Previews

White Background



This preview shows how the XYZ color 35.6971, 31.6337, 85.8858 looks on a white background.

Color Contrast Check

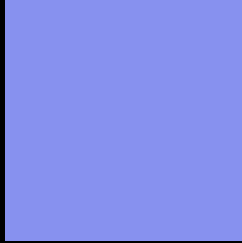
Large Text (above 18pt) WCAG AA × Fail

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 35.6971, 31.6337, 85.8858 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 35.6971, 31.6337, 85.8858

Background



This preview shows how black text looks on a background with the XYZ color 35.6971, 31.6337, 85.8858.



This preview shows how white text looks on a background with the XYZ color 35.6971, 31.6337,

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

35.6971, 31.6337, 85.8858

Protanopia

34.1276, 31.6790, 89.1100

Deuteranopia

32.5777, 31.6967, 84.5218



Tritanopia

27.1806, 31.5567, 43.6882

Trichromacy



Original Color

35.6971, 31.6337, 85.8858

Protanomaly

34.7853, 31.8016, 88.3093

Deuteranomaly

33.5162, 31.4498, 85.1929

Tritanomaly

29.8316, 31.3818, 56.7096

Monochromacy



Original Color

35.6971, 31.6337, 85.8858

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.4121, 31.3844, 49.7496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6971, 31.6337, 85.8858 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, 145, 239)` looks like.

```
.text, #text, p{  
    color:rgb(135, 145, 239)  
}
```

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, 145, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 145, 239) }
```

Border

The CSS property to change the border of an element to XYZ 35.6971, 31.6337, 85.8858 is called "border". The border property can be set on classes, ids or directly on the HTML element.

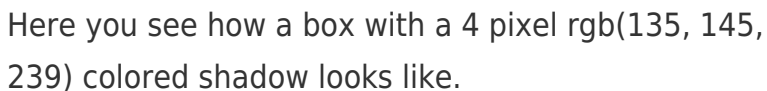
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 145, 239) }
```


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

```
.border{ border-color:rgb(135, 145, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 145, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 145, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 145, 239);  
box-shadow:4px 4px 4px 4px rgb(135, 145,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6971, 31.6337, 85.8858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 145, 239) }
```

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

```
.background{ background-color: rgb(135,  
145, 239) }
```

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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