

Converting Colors

XYZ(40.1626, 31.5000, 87.0436)

Have a look what the booklet for
XYZ(40.1626, 31.5000, 87.0436)
contains.

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Color

**XYZ(40.1282, 31.5081,
87.1858)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A686F1 |
| RGB | 166, 134, 241 |
| RGB Percent | 65%, 53%, 95% |
| CMY | 0.3490, 0.4745, 0.0549 |
| CMYK | 0.31, 0.44, 0.00, 0.05 |
| HSL | 258°, 79%, 74% |
| HSV | 258°, 44%, 95% |
| XYZ | 40.1282, 31.5081, 87.1858 |
| YIQ | 155.7660, -15.2750, 40.0610 |

Conversions

Conversions Part 2

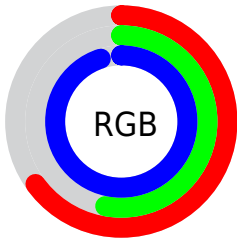
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 166, 134, 241 |
| Decimal | 10913521 |
| CIE Lab | 62.93, 34.86, -49.63 |
| CIE LCh | 63, 60.647, 305.086 |
| Yxy | 31.5081, 0.2527, 0.1984 |
| Android (android.graphics.Color) | 4289103601 (0xFFA686F1) |
| YUV | 155.7660, 42.0204, 8.9752 |
| Hunter-Lab | 56.1321, 29.3765, -52.7983 |

Details

The XYZ color **40.1282, 31.5081, 87.1858** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.0534, 78.1877, 34.3765**, and the grayscale version is **31.3205, 32.9516, 35.8843**.

A 20% lighter version of the original color is **66.4646, 58.8744, 102.4686**, and **18.3776, 13.1808, 46.9230** is the 20% darker color. If you saturate the color by 10%, you get **33.8575, 23.8818, 86.0449**, and if you desaturate by 10%, it is **47.6254, 40.8943, 88.6030**.

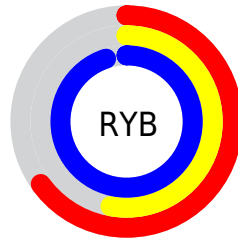
Distribution



Red (65%)

Green (53%)

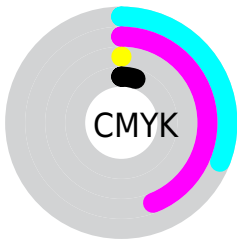
Blue (95%)



Red (65%)

Yellow (53%)

Blue (95%)

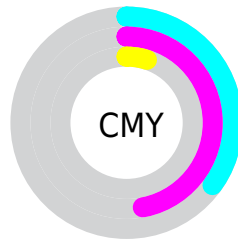


Cyan (31%)

Magenta (44%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (47%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1282, 31.5081, 87.1858 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 40.1282, 31.5081, 87.1858 by changing the saturation by 10% instead.

40.1282, 31.5081,
87.1858

40.1282, 31.5081,
87.1858

337.7888,
308.8723, 539.1653

27.8232, 20.9861,
65.0885

74.6418, 62.0391,
145.3242

18.3322, 13.1138,
47.0810

97.5811, 82.8169,
182.2024

11.2899, 7.5070,
32.7449

124.7958,
107.7821, 224.8447

6.3309, 3.7811,
21.6616

156.6513,
137.3190, 273.6695

3.0899, 1.5519,
13.4125

193.5131,
171.8121, 329.0954

1.2015, 0.3248,
7.5792

235.7463,

0.1075, 0.0000,

211.6458, 391.5410

3.7430

283.7164,
257.2044, 461.4247

■ 0.0000, 0.0000,
1.4854

■ 0.0000, 0.0000,
0.2070

■ 40.1282, 31.5081,
87.1858

■ 40.1282, 31.5081,
87.1858

■ 33.8575, 23.8818,
86.0449

■ 47.6254, 40.8943,
88.6030

■ 28.7393, 17.8982,
85.1597

■ 56.4097, 52.1403,
90.3107

■ 24.6970, 13.4309,
84.5104

■ 66.5420, 65.3424,
92.3249

■ 21.6418, 10.3328,
84.0735

■ 78.0780, 80.5894,
94.6599

■ 19.4677, 8.4251,
83.8198

■ 91.0703, 97.9644,
97.3288

■ 18.5556, 7.7316,
83.7341

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



31.3899, 31.5081, 103.2685



40.1282, 31.5081, 87.1858



46.9463, 31.5081, 57.4811

Triad

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



40.1282, 31.5081, 87.1858



37.2128, 31.5081, 7.2573



16.6606, 31.5081, 38.5360

Complementary

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



40.1282, 31.5081, 87.1858



62.0534, 78.1877, 34.3765

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.



17.6448, 31.5081, 18.3865



40.1282, 31.5081, 87.1858



28.5500, 31.5081, 5.9008

Square

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



40.1282, 31.5081, 87.1858



45.0563, 31.5081, 14.1201



21.6532, 31.5081, 8.7988



18.6616, 31.5081, 67.9999

Rectangle

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



40.1282, 31.5081, 87.1858



48.9045, 31.5081, 38.3872



21.6532, 31.5081, 8.7988



16.6578, 31.5081, 30.5266

Sweetspot

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



40.1294, 31.5093, 87.1865



77.3337, 76.4993, 105.2977



48.9253, 57.8515, 91.8075



15.9675, 15.6057, 22.4206



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.



40.1294, 31.5093, 87.1865



39.2997, 28.1183, 97.9638



53.2618, 38.2793, 87.8011



15.3416, 15.4578, 19.8967



10.1805, 4.2536, 45.4123



0.9435, 0.4036, 3.7824

Inverse Universe

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



56.3100, 40.3554, 65.1433



60.1503, 39.5416, 68.4693



49.6997, 71.8192, 33.7984



16.2411, 15.9462, 18.8260



23.6133, 11.7178, 21.6781



2.0080, 0.9923, 2.0332

Previews

White Background



This preview shows how the XYZ color 40.1282, 31.5081, 87.1858 looks on a white background.

Color Contrast Check

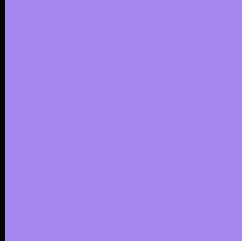
Large Text (above 18pt) WCAG AA × Fail

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 40.1282, 31.5081, 87.1858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

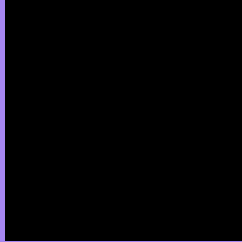
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1282, 31.5081, 87.1858

Background



This preview shows how black text looks on a background with the XYZ color 40.1282, 31.5081, 87.1858.



This preview shows how white text looks on a background with the XYZ color 40.1282, 31.5081,

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

40.1282, 31.5081, 87.1858

Protanopia

34.8212, 31.8388, 98.0762

Deuteranopia

32.6986, 31.7590, 84.5275



Tritanopia

30.2551, 31.2616, 39.0898

Trichromacy



Original Color

40.1282, 31.5081, 87.1858

Protanomaly

36.1254, 31.4532, 93.7896

Deuteranomaly

34.6113, 31.0910, 85.0659

Tritanomaly

33.2397, 31.0803, 53.5374

Monochromacy



Original Color

40.1282, 31.5081, 87.1858

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.0567, 32.2412, 51.4419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1282, 31.5081, 87.1858 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(166, 134, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 241)  
}
```

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(166, 134, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.1282, 31.5081, 87.1858 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(166, 134, 241) }
```


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

```
.border{ border-color:rgb(166, 134, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 134, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 134, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 134,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1282, 31.5081, 87.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 241) }
```

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

```
.background{ background-color: rgb(166,  
134, 241) }
```

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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