

Converting Colors

XYZ(37.0661, 31.9194, 87.1751)

Have a look what the booklet for
XYZ(37.0661, 31.9194, 87.1751)
contains.

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Color

**XYZ(37.0273, 31.8354,
87.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	8F8FF1
RGB	143, 143, 241
RGB Percent	56%, 56%, 95%
CMY	0.4392, 0.4392, 0.0549
CMYK	0.41, 0.41, 0.00, 0.05
HSL	240°, 78%, 75%
HSV	240°, 41%, 95%
XYZ	37.0273, 31.8354, 87.4124
YIQ	154.1720, -31.4580, 30.4780

Conversions

Conversions Part 2

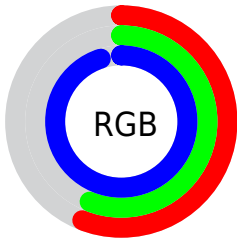
Format	Color
RYB	143, 143, 241
Decimal	9408497
CIELab	63.21, 23.76, -49.32
CIElCh	63, 54.745, 295.728
Yxy	31.8354, 0.2369, 0.2037
Android (android.graphics.Color)	4287598577 (0xFF8F8FF1)
YUV	154.1720, 42.8062, -9.7978
Hunter-Lab	56.4229, 18.4000, -52.3583

Details

The XYZ color **37.0273, 31.8354, 87.4124** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.6889, 83.5949, 38.2918**, and the grayscale version is **30.6195, 32.2141, 35.0812**.

A 20% lighter version of the original color is **61.8357, 59.4319, 102.8201**, and **16.4966, 13.3156, 47.0481** is the 20% darker color. If you saturate the color by 10%, you get **30.0571, 23.4365, 86.1592**, and if you desaturate by 10%, it is **45.6731, 42.2527, 88.9681**.

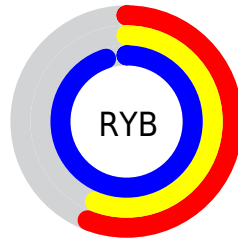
Distribution



Red (56%)

Green (56%)

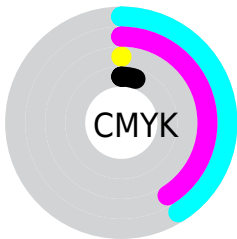
Blue (95%)



Red (56%)

Yellow (56%)

Blue (95%)

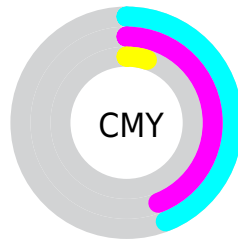


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (5%)



Cyan (44%)

Magenta (44%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0273, 31.8354, 87.4124 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 37.0273, 31.8354, 87.4124 by changing the saturation by 10% instead.

■ 37.0273, 31.8354,
87.4124

■ 37.0273, 31.8354,
87.4124

324.7822,
310.3688, 539.9284

■ 25.4024, 21.2358,
65.2750

■ 69.9283, 62.5530,
145.6428

■ 16.5074, 13.2965,
47.2313

■ 91.9352, 83.4397,
182.5728

■ 9.9771, 7.6330,
32.8629

■ 118.1334,
108.5243, 225.2707

■ 5.4459, 3.8610,
21.7512

148.8883,
138.1911, 274.1551

■ 2.5486, 1.5961,
13.4776

184.5653,
172.8246, 329.6446

■ 0.9198, 0.3550,
7.6237

225.5297,

■ 0.0000, 0.0000,

212.8091, 392.1576

3.7708

272.1469,
258.5290, 462.1127

■ 0.0000, 0.0000,
1.5005

■ 0.0000, 0.0000,
0.2183

■ 37.0273, 31.8354,
87.4124

■ 37.0273, 31.8354,
87.4124

■ 30.0571, 23.4365,
86.1592

■ 45.6731, 42.2527,
88.9681

■ 24.6508, 16.9222,
85.1868

■ 56.0893, 54.8037,
90.8417

■ 20.6886, 12.1481,
84.4741

■ 68.3683, 69.5990,
93.0503

■ 18.0322, 8.9473,
83.9963

■ 82.5945, 86.7408,
95.6092

■ 16.5160, 7.1205,
83.7236

■ 92.8773, 99.1309,
97.4587

■ 15.8774, 6.3510,
83.6087

Harmonies

Analogous

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



29.1872, 31.8354, 95.0674



37.0273, 31.8354, 87.4124



43.9515, 31.8354, 63.8363

Triad

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



37.0273, 31.8354, 87.4124



39.2178, 31.8354, 10.3662



17.9405, 31.8354, 31.6498

Complementary

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



37.0273, 31.8354, 87.4124



72.6889, 83.5949, 38.2918

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.



19.7535, 31.8354, 16.0890



37.0273, 31.8354, 87.4124



31.3559, 31.8354, 7.4962

Square

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



37.0273, 31.8354, 87.4124



45.3569, 31.8354, 19.5335



24.3695, 31.8354, 9.0386



18.9487, 31.8354, 56.0913

Rectangle

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



37.0273, 31.8354, 87.4124



46.6709, 31.8354, 45.9894



24.3695, 31.8354, 9.0386



18.2306, 31.8354, 25.3686

Sweetspot

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



37.0285, 31.8366, 87.4132



75.6781, 76.6580, 105.4155



58.6609, 75.1018, 94.6241



15.7887, 15.9145, 22.4896



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.



37.0285, 31.8366, 87.4132



35.2532, 27.9485, 98.1443



47.4387, 37.2032, 87.9004



14.8974, 15.2288, 19.8759



8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Inverse Universe

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



61.9757, 44.6973, 88.5793



67.2789, 44.4584, 99.6411



58.1523, 76.1010, 37.6115



16.4543, 16.0314, 19.9487



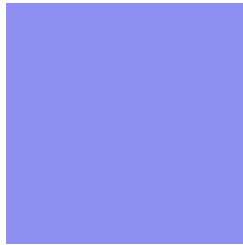
28.2810, 13.5848, 46.2576



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 37.0273, 31.8354, 87.4124 looks on a white background.

Color Contrast Check

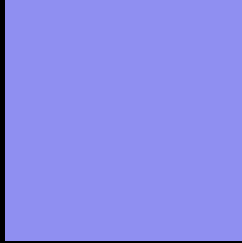
Large Text (above 18pt) WCAG AA × Fail

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 37.0273, 31.8354, 87.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

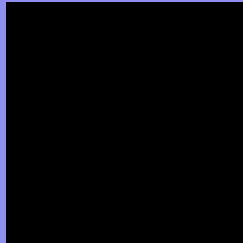
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0273, 31.8354, 87.4124

Background



This preview shows how black text looks on a background with the XYZ color 37.0273, 31.8354, 87.4124.



This preview shows how white text looks on a background with the XYZ color 37.0273, 31.8354,

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

37.0273, 31.8354, 87.4124

Protanopia

34.7651, 32.1729, 92.3734

Deuteranopia

33.0346, 32.1403, 86.1239



Tritanopia

28.1817, 31.8296, 43.1865

Trichromacy



Original Color

37.0273, 31.8354, 87.4124

Protanomaly

35.3726, 31.8200, 90.6637

Deuteranomaly

34.2214, 31.7792, 86.7684

Tritanomaly

30.8708, 31.6735, 56.7111

Monochromacy



Original Color

37.0273, 31.8354, 87.4124

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.3469, 31.8419, 50.8956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0273, 31.8354, 87.4124 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(143, 143, 241)` looks like.

```
.text, #text, p{  
    color:rgb(143, 143, 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(143, 143, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 143, 241) }
```

Border

The CSS property to change the border of an element to XYZ 37.0273, 31.8354, 87.4124 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(143, 143, 241) }
```


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

```
.border{ border-color:rgb(143, 143, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 143, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 143, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 143, 241); box-shadow:4px 4px 4px 4px rgb(143, 143, 241) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0273, 31.8354, 87.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 143, 241) }
```

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

```
.background{ background-color: rgb(143,  
143, 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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