

Converting Colors

XYZ(37.0095, 33.1170, 80.7855)

Have a look what the booklet for
XYZ(37.0095, 33.1170, 80.7855)
contains.

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Color

**XYZ(37.0095, 33.1170,
80.7855)**

Conversions

Conversions Part 1

Format	Color
Hex	9294E8
RGB	146, 148, 232
RGB Percent	57%, 58%, 91%
CMY	0.4274, 0.4196, 0.0902
CMYK	0.37, 0.36, 0.00, 0.09
HSL	239°, 65%, 74%
HSV	239°, 37%, 91%
XYZ	37.0095, 33.1170, 80.7855
YIQ	156.9780, -28.1560, 25.7000

Conversions

Conversions Part 2

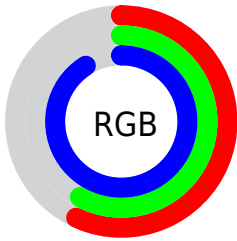
Format	Color
RYB	146, 148, 232
Decimal	9606376
CIELab	64.26, 19.18, -42.69
CIElCh	64, 46.801, 294.200
Yxy	33.1170, 0.2452, 0.2194
Android (android.graphics.Color)	4287796456 (0xFF9294E8)
YUV	156.9780, 36.9858, -9.6277
Hunter-Lab	57.5474, 14.0879, -42.9487

Details

The XYZ color **37.0095, 33.1170, 80.7855** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.7651, 75.8263, 38.3129**, and the grayscale version is **31.8870, 33.5476, 36.5334**.

A 20% lighter version of the original color is **63.5277, 62.0176, 103.2301**, and **16.5185, 14.0941, 42.9241** is the 20% darker color. If you saturate the color by 10%, you get **30.0829, 24.7766, 79.5413**, and if you desaturate by 10%, it is **45.4711, 43.2827, 82.3023**.

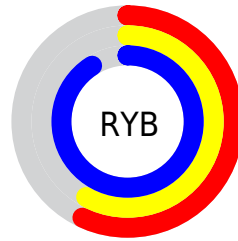
Distribution



Red (57%)

Green (58%)

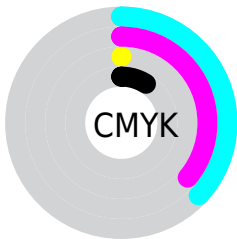
Blue (91%)



Red (57%)

Yellow (58%)

Blue (91%)

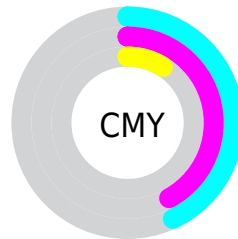


Cyan (37%)

Magenta (36%)

Yellow (0%)

Black (9%)



Cyan (43%)

Magenta (42%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0095, 33.1170, 80.7855 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 37.0095, 33.1170, 80.7855 by changing the saturation by 10% instead.

■ 37.0095, 33.1170,
80.7855

■ 37.0095, 33.1170,
80.7855

324.7065,
316.1766, 517.3525

■ 25.3886, 22.2161,
59.8350

■ 69.9011, 64.5582,
136.2909

■ 16.4970, 14.0158,
42.8612

■ 91.9025, 85.8672,
171.6829

■ 9.9696, 8.1316,
29.4456

118.0948,
111.4144, 212.7257

■ 5.4409, 4.1793,
19.1697

148.8433,
141.5841, 259.8380

■ 2.5456, 1.7744,
11.6149

184.5133,
176.7608, 313.4383

■ 0.9183, 0.4711,
6.3627

225.4703,

■ 0.0000, 0.0000,

217.3289, 373.9452

2.9945

272.0796,
263.6727, 441.7770

■ 0.0000, 0.0000,
1.0918

■ 0.0000, 0.0000,
0.0000

■ 37.0095, 33.1170,
80.7855

■ 37.0095, 33.1170,
80.7855

■ 30.0829, 24.7766,
79.5413

■ 45.4711, 43.2827,
82.3023

■ 24.5960, 18.1501,
78.5515

■ 55.5481, 55.3691,
84.1041

■ 20.4484, 13.1196,
77.7991

■ 67.3199, 69.4693,
86.2053

■ 17.5255, 9.5505,
77.2642

■ 80.8593, 85.6691,
88.6186

■ 15.6933, 7.2867,
76.9238

■ 91.5656, 98.6062,
90.5514

■ 14.7827, 6.1340,
76.7493

■ 14.6241, 5.9433,
76.7209

Harmonies

Analogous

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



30.2033, 33.1170, 86.0818



37.0095, 33.1170, 80.7855



43.0170, 33.1170, 61.9747

Triad

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



37.0095, 33.1170, 80.7855



39.5568, 33.1170, 13.7798



20.4007, 33.1170, 32.4864

Complementary

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



37.0095, 33.1170, 80.7855



66.7651, 75.8263, 38.3129

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.



22.2104, 33.1170, 18.6116



37.0095, 33.1170, 80.7855



32.7855, 33.1170, 10.5329

Square

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



37.0095, 33.1170, 80.7855



44.6265, 33.1170, 23.0438



26.5248, 33.1170, 11.9230



21.2028, 33.1170, 53.2327

Rectangle

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



37.0095, 33.1170, 80.7855



45.4392, 33.1170, 46.9664



26.5248, 33.1170, 11.9230



20.7148, 33.1170, 26.9860

Sweetspot

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



37.0107, 33.1182, 80.7863



77.3468, 78.8107, 105.7431



54.8732, 69.4897, 84.7478



16.1279, 16.3567, 22.5571



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.



37.0107, 33.1182, 80.7863



39.5309, 33.4173, 98.9744



45.1279, 36.8414, 81.0771



13.6096, 13.9405, 18.1178



8.1312, 3.3245, 42.5963



0.6104, 0.2647, 3.1509

Inverse Universe

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



48.9040, 39.8532, 33.1330



56.1748, 42.9018, 32.2732



55.7505, 70.9785, 37.9577



14.3905, 14.3734, 14.9909



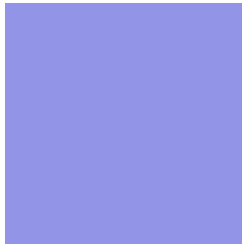
18.4978, 9.5333, 0.9843



1.3717, 0.7064, 0.0981

Previews

White Background



This preview shows how the XYZ color 37.0095, 33.1170, 80.7855 looks on a white background.

Color Contrast Check

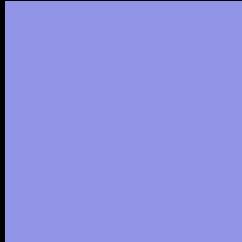
Large Text (above 18pt) WCAG AA × Fail

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 37.0095, 33.1170, 80.7855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

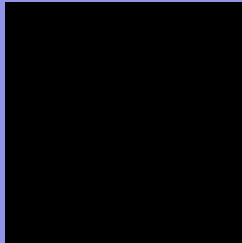
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0095, 33.1170, 80.7855

Background



This preview shows how black text looks on a background with the XYZ color 37.0095, 33.1170, 80.7855.



This preview shows how white text looks on a background with the XYZ color 37.0095, 33.1170,

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

37.0095, 33.1170, 80.7855

Protanopia

35.1357, 33.2742, 83.9276

Deuteranopia

34.3135, 33.4232, 80.2441



Tritanopia

29.6294, 33.0643, 44.3556

Trichromacy



Original Color

37.0095, 33.1170, 80.7855

Protanomaly

35.7349, 33.1179, 83.1062

Deuteranomaly

35.0121, 33.0513, 80.1355

Tritanomaly

31.9426, 32.9903, 55.7232

Monochromacy



Original Color

37.0095, 33.1170, 80.7855

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.3442, 33.3442, 50.0260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0095, 33.1170, 80.7855 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(146, 148, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 148, 232)  
}
```

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(146, 148, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 148, 232) }
```

Border

The CSS property to change the border of an element to XYZ 37.0095, 33.1170, 80.7855 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(146, 148, 232) }
```


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

```
.border{ border-color:rgb(146, 148, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 148, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 148, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 148, 232);  
box-shadow:4px 4px 4px 4px rgb(146, 148,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0095, 33.1170, 80.7855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 148, 232) }
```

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

```
.background{ background-color: rgb(146,  
148, 232) }
```

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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