

Converting Colors

XYZ(37.0771, 33.1942, 79.8863)

Have a look what the booklet for
XYZ(37.0771, 33.1942, 79.8863)
contains.

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Color

**XYZ(37.0463, 33.1524,
80.0478)**

Conversions

Conversions Part 1

Format	Color
Hex	9394E7
RGB	147, 148, 231
RGB Percent	58%, 58%, 91%
CMY	0.4235, 0.4196, 0.0941
CMYK	0.36, 0.36, 0.00, 0.09
HSL	239°, 64%, 74%
HSV	239°, 36%, 91%
XYZ	37.0463, 33.1524, 80.0478
YIQ	157.1630, -27.2390, 25.6010

Conversions

Conversions Part 2

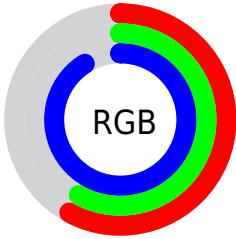
Format	Color
R_{YB}	147, 148, 231
Decimal	9671911
CIE _{Lab}	64.28, 19.18, -42.09
CIE _{LCh}	64, 46.251, 294.503
Y _{xy}	33.1524, 0.2466, 0.2207
Android (android.graphics.Color)	4287861991 (0xFF9394E7)
YUV	157.1630, 36.4016, -8.9130
Hunter-Lab	57.5781, 14.0869, -42.1230

Details

The XYZ color **37.0463, 33.1524, 80.0478** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.5192, 75.6901, 38.7089**, and the grayscale version is **31.9723, 33.6373, 36.6310**.

A 20% lighter version of the original color is **63.7991, 62.1576, 103.2428**, and **16.5268, 13.9717, 42.3832** is the 20% darker color. If you saturate the color by 10%, you get **30.0783, 24.7597, 78.7957**, and if you desaturate by 10%, it is **45.5543, 43.3881, 81.5757**.

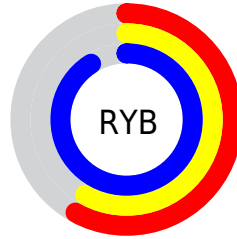
Distribution



Red (58%)

Green (58%)

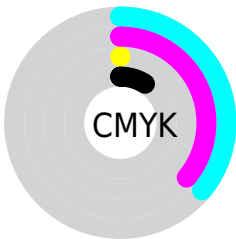
Blue (91%)



Red (58%)

Yellow (58%)

Blue (91%)

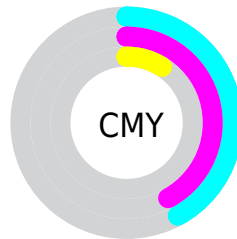


Cyan (36%)

Magenta (36%)

Yellow (0%)

Black (9%)



Cyan (42%)

Magenta (42%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0463, 33.1524, 80.0478 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 37.0463, 33.1524, 80.0478 by changing the saturation by 10% instead.

■ 37.0463, 33.1524,
80.0478

■ 37.0463, 33.1524,
80.0478

324.8630,
316.3359, 514.8049

■ 25.4172, 22.2432,
59.2313

■ 69.9574, 64.6134,
135.2449

■ 16.5185, 14.0357,
42.3781

■ 91.9700, 85.9340,
170.4627

■ 9.9850, 8.1455,
29.0697

118.1745,
111.4938, 211.3178

■ 5.4512, 4.1882,
18.8875

148.9363,
141.6774, 258.2291

■ 2.5518, 1.7794,
11.4130

184.6207,
176.8689, 311.6148

■ 0.9215, 0.4743,
6.2277

225.5930,

■ 0.0000, 0.0000,

217.4529, 371.8937

2.9130

272.2187,
263.8138, 439.4842

■ 0.0000, 0.0000,
1.0504

■ 0.0000, 0.0000,
0.0000

■ 37.0463, 33.1524,
80.0478

■ 37.0463, 33.1524,
80.0478

■ 30.0783, 24.7597,
78.7957

■ 45.5543, 43.3881,
81.5757

■ 24.5548, 18.0971,
77.8008

■ 55.6829, 55.5632,
83.3919

■ 20.3757, 13.0451,
77.0459

■ 67.5113, 69.7721,
85.5110

■ 17.4263, 9.4675,
76.5109

■ 81.1125, 86.1016,
87.9461

■ 15.5728, 7.2058,
76.1720

■ 91.4239, 98.5496,
89.8053

■ 14.6494, 6.0643,
76.0003

■ 14.4538, 5.8292,
75.9653

Harmonies

Analogous

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



30.3156, 33.1524, 85.4226



37.0463, 33.1524, 80.0478



42.9566, 33.1524, 61.4478

Triad

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



37.0463, 33.1524, 80.0478



39.4307, 33.1524, 13.9253



20.5330, 33.1524, 32.7411

Complementary

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



37.0463, 33.1524, 80.0478



66.5192, 75.6901, 38.7089

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.



22.3027, 33.1524, 18.8996



37.0463, 33.1524, 80.0478



32.7361, 33.1524, 10.7309

Square

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



37.0463, 33.1524, 80.0478



44.4618, 33.1524, 23.0737



26.5554, 33.1524, 12.1682



21.3553, 33.1524, 53.2804

Rectangle

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



37.0463, 33.1524, 80.0478



45.3209, 33.1524, 46.6538



26.5554, 33.1524, 12.1682



20.8360, 33.1524, 27.2670

Sweetspot

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



37.0475, 33.1536, 80.0486



77.2596, 78.6363, 105.7140



54.8363, 69.0464, 85.0065



16.1073, 16.3156, 22.5502



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.



37.0475, 33.1536, 80.0486



39.3368, 33.0293, 98.9098



45.4993, 37.2790, 80.3994



13.5965, 13.9145, 18.1135



8.1092, 3.2806, 42.5890



0.6041, 0.2522, 3.1488

Inverse Universe

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



48.7350, 39.9958, 33.1695



56.0768, 42.8627, 31.7575



55.1786, 70.2580, 38.2581



14.3839, 14.3708, 14.9563



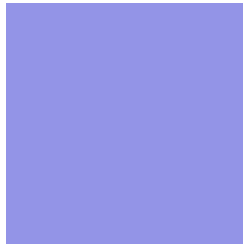
18.4867, 9.5289, 0.9259



1.3686, 0.7051, 0.0814

Previews

White Background



This preview shows how the XYZ color 37.0463, 33.1524, 80.0478 looks on a white background.

Color Contrast Check

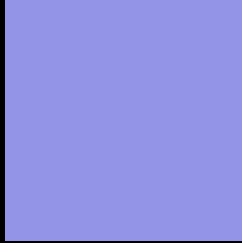
Large Text (above 18pt) WCAG AA × Fail

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 37.0463, 33.1524, 80.0478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

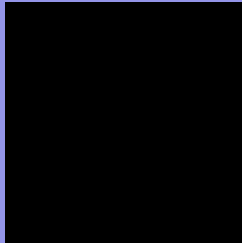
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0463, 33.1524, 80.0478

Background



This preview shows how black text looks on a background with the XYZ color 37.0463, 33.1524, 80.0478.



This preview shows how white text looks on a background with the XYZ color 37.0463, 33.1524,

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

37.0463, 33.1524, 80.0478

Protanopia

35.1390, 33.2926, 83.1714

Deuteranopia

34.3165, 33.4409, 79.5090



Tritanopia

29.9451, 33.2271, 44.3704

Trichromacy



Original Color

37.0463, 33.1524, 80.0478

Protanomaly

35.7494, 33.1421, 82.3548

Deuteranomaly

35.0269, 33.0752, 79.4009

Tritanomaly

32.2735, 33.1609, 55.7386

Monochromacy



Original Color

37.0463, 33.1524, 80.0478

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 37.0463, 33.1524, 80.0478 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(147, 148, 231)` looks like.

```
.text, #text, p{  
    color:rgb(147, 148, 231)  
}
```

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(147, 148, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 148, 231) }
```

Border

The CSS property to change the border of an element to XYZ 37.0463, 33.1524, 80.0478 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(147, 148, 231) }
```


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

```
.border{ border-color:rgb(147, 148, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 148, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 148, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 148, 231);  
box-shadow:4px 4px 4px 4px rgb(147, 148,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0463, 33.1524, 80.0478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 148, 231) }
```

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

```
.background{ background-color: rgb(147,  
148, 231) }
```

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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