

Converting Colors

XYZ(36.9993, 31.9732, 91.9770)

Have a look what the booklet for
XYZ(36.9993, 31.9732, 91.9770)
contains.

XYZ(37.0783, 31.9803, 92.2143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0783, 31.9803,
92.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	8990F7
RGB	137, 144, 247
RGB Percent	54%, 56%, 97%
CMY	0.4627, 0.4353, 0.0314
CMYK	0.45, 0.42, 0.00, 0.03
HSL	236°, 87%, 75%
HSV	236°, 45%, 97%
XYZ	37.0783, 31.9803, 92.2143
YIQ	153.6490, -37.2350, 30.5490

Conversions

Conversions Part 2

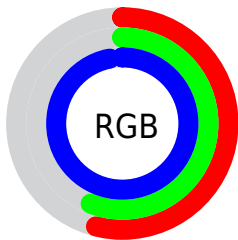
Format	Color
R_{YB}	137, 144, 247
Decimal	9015543
CIE _{Lab}	63.33, 23.41, -52.45
CIE _{LCh}	63, 57.443, 294.056
Yxy	31.9803, 0.2299, 0.1983
Android (android.graphics.Color)	4287205623 (0xFF8990F7)
YUV	153.6490, 46.0220, -14.6012
Hunter-Lab	56.5511, 18.0708, -57.0946

Details

The XYZ color **37.0783, 31.9803, 92.2143** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.0349, 83.9028, 35.9616**, and the grayscale version is **30.3793, 31.9614, 34.8059**.

A 20% lighter version of the original color is **60.7498, 59.2103, 102.8346**, and **16.5214, 13.3854, 50.4281** is the 20% darker color. If you saturate the color by 10%, you get **30.3316, 23.8242, 90.9962**, and if you desaturate by 10%, it is **45.4718, 42.0514, 93.7165**.

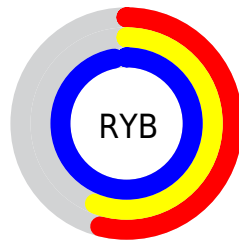
Distribution



Red (54%)

Green (56%)

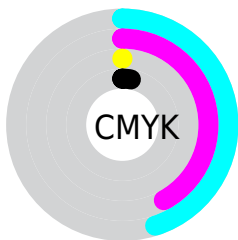
Blue (97%)



Red (54%)

Yellow (56%)

Blue (97%)

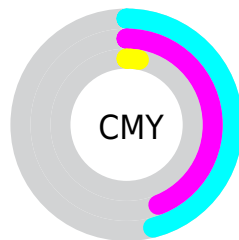


Cyan (45%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (46%)

Magenta (44%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0783, 31.9803, 92.2143 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 37.0783, 31.9803, 92.2143 by changing the saturation by 10% instead.

■ 37.0783, 31.9803,
92.2143

■ 37.0783, 31.9803,
92.2143

324.9990,
311.0295, 555.9627

■ 25.4421, 21.3465,
69.2346

■ 70.0062, 62.7802,
152.3726

■ 16.5372, 13.3775,
50.4299

■ 92.0287, 83.7151,
190.3884

■ 9.9983, 7.6890,
35.3815

118.2439,
108.8524, 234.2532

■ 5.4601, 3.8966,
23.6710

149.0172,
138.5765, 284.3857

■ 2.5572, 1.6159,
14.8798

184.7141,
173.2719, 341.2043

■ 0.9242, 0.3683,
8.5894

225.6997,

■ 0.0000, 0.0000,

213.3229, 405.1277

4.3812

272.3396,
259.1140, 476.5743

■ 0.0000, 0.0000,
1.8367

■ 0.0000, 0.0000,
0.4520

■ 37.0783, 31.9803,
92.2143

■ 37.0783, 31.9803,
92.2143

■ 30.3316, 23.8242,
90.9962

■ 45.4718, 42.0514,
93.7165

■ 25.1196, 17.4586,
90.0423

■ 55.6067, 54.1449,
95.5166

■ 21.3225, 12.7493,
89.3334

■ 67.5749, 68.3641,
97.6304

■ 18.8007, 9.5419,
88.8472

■ 81.4607, 84.8043,
100.0718

■ 17.3859, 7.6525,
88.5571

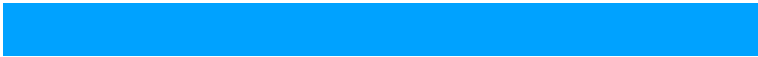
■ 93.7886, 99.4955,
102.2577

■ 16.9697, 7.0776,
88.4681

Harmonies

Analogous

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



28.8372, 31.9803, 99.2270



37.0783, 31.9803, 92.2143



44.5622, 31.9803, 67.4464

Triad

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



37.0783, 31.9803, 92.2143



40.3049, 31.9803, 10.0099



17.5634, 31.9803, 30.4721

Complementary

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



37.0783, 31.9803, 92.2143



74.0349, 83.9028, 35.9616

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.



19.6042, 31.9803, 14.8945



37.0783, 31.9803, 92.2143



32.0106, 31.9803, 6.8738

Square

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



37.0783, 31.9803, 92.2143



46.6412, 31.9803, 19.8241



24.5696, 31.9803, 8.1583



18.4435, 31.9803, 55.9416

Rectangle

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



37.0783, 31.9803, 92.2143



47.6341, 31.9803, 48.3176



24.5696, 31.9803, 8.1583



17.9174, 31.9803, 24.1057

Sweetspot

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



37.0796, 31.9814, 92.2151



74.7729, 76.0151, 105.3392



59.2572, 78.1124, 94.1336



15.3435, 15.4866, 22.4305



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.



37.0796, 31.9814, 92.2151



33.5526, 26.7577, 98.0041



45.6630, 34.8814, 92.3224



15.6658, 16.0958, 20.8237



9.0084, 3.8107, 46.7988



0.8209, 0.3931, 4.1229

Inverse Universe

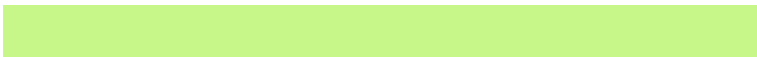
The Inverse Universe completely reimagines the original color for something new.



52.3386, 39.6807, 31.2870



51.8643, 36.2272, 24.8359



61.4192, 80.5164, 35.9728



16.5419, 16.4996, 17.3341



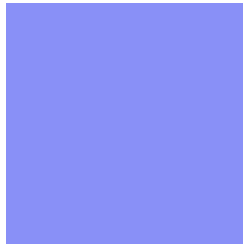
20.3516, 10.4841, 1.2938



1.8034, 0.9273, 0.1911

Previews

White Background



This preview shows how the XYZ color 37.0783, 31.9803, 92.2143 looks on a white background.

Color Contrast Check

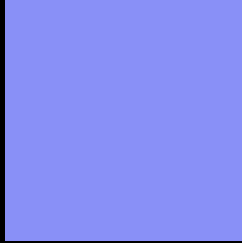
Large Text (above 18pt) WCAG AA × Fail

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 37.0783, 31.9803, 92.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

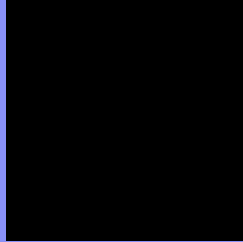
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0783, 31.9803, 92.2143

Background



This preview shows how black text looks on a background with the XYZ color 37.0783, 31.9803, 92.2143.



This preview shows how white text looks on a background with the XYZ color 37.0783, 31.9803,

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

37.0783, 31.9803, 92.2143

Protanopia

35.0326, 32.2205, 96.4682

Deuteranopia

33.1282, 32.0844, 90.8331



Tritanopia

27.4497, 31.9406, 44.2536

Trichromacy



Original Color

37.0783, 31.9803, 92.2143

Protanomaly

35.5910, 32.0750, 94.7577

Deuteranomaly

34.3510, 31.9772, 91.5505

Tritanomaly

30.2931, 31.5664, 59.1399

Monochromacy



Original Color

37.0783, 31.9803, 92.2143

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.1962, 31.7394, 52.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0783, 31.9803, 92.2143 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(137, 144, 247)` looks like.

```
.text, #text, p{  
    color:rgb(137, 144, 247)  
}
```

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(137, 144, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 144, 247) }
```

Border

The CSS property to change the border of an element to XYZ 37.0783, 31.9803, 92.2143 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(137, 144, 247) }
```


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

```
.border{ border-color:rgb(137, 144, 247) }
```

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

Here you see how a box with a 4 pixel rgb(137, 144, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 144, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 144, 247);  
box-shadow:4px 4px 4px 4px rgb(137, 144,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0783, 31.9803, 92.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 144, 247) }
```

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

```
.background{ background-color: rgb(137,  
144, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor