

Converting Colors

XYZ(37.0048, 32.3410, 98.8998)

Have a look what the booklet for
XYZ(37.0048, 32.3410, 98.8998)
contains.

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Color

**XYZ(36.9331, 32.2134,
98.8790)**

Conversions

Conversions Part 1

Format	Color
Hex	7E92FF
RGB	126, 146, 255
RGB Percent	49%, 57%, 100%
CMY	0.5059, 0.4274, 0.0000
CMYK	0.51, 0.43, 0.00, 0.00
HSL	231°, 100%, 75%
HSV	231°, 51%, 100%
XYZ	36.9331, 32.2134, 98.8790
YIQ	152.4460, -46.9090, 29.6590

Conversions

Conversions Part 2

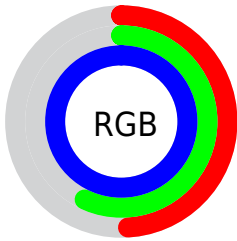
Format	Color
RYB	126, 143, 255
Decimal	8295167
CIELab	63.52, 22.11, -56.58
CIELCh	64, 60.742, 291.345
Yxy	32.2134, 0.2198, 0.1917
Android (android.graphics.Color)	4286485247 (0xFF7E92FF)
YUV	152.4460, 50.5591, -23.1931
Hunter-Lab	56.7568, 16.8299, -63.5623

Details

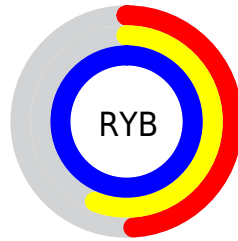
The XYZ color **36.9331, 32.2134, 98.8790** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.7159, 82.1856, 31.6662**, and the grayscale version is **29.8416, 31.3957, 34.1899**.

A 20% lighter version of the original color is **58.7119, 58.8428, 102.8711**, and **16.4903, 13.5329, 55.1691** is the 20% darker color. If you saturate the color by 10%, you get **30.6265, 24.4878, 97.7202**, and if you desaturate by 10%, it is **44.8262, 41.6869, 100.2915**.

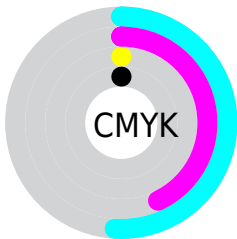
Distribution



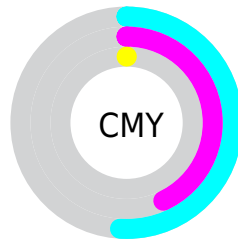
- Red (49%)
- Green (57%)
- Blue (100%)



- Red (49%)
- Yellow (56%)
- Blue (100%)



- Cyan (51%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9331, 32.2134, 98.8790 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 36.9331, 32.2134, 98.8790 by changing the saturation by 10% instead.

■ 36.9331, 32.2134,
98.8790

■ 36.9331, 32.2134,
98.8790

324.3814,
312.0902, 577.8086

■ 25.3291, 21.5245,
74.7530

■ 69.7844, 63.1455,
161.6542

■ 16.4525, 13.5080,
54.9101

■ 91.7624, 84.1575,
201.1406

■ 9.9378, 7.7793,
38.9316

■ 117.9292,
109.3794, 246.5841

■ 5.4197, 3.9540,
26.3991

148.6500,
139.1955, 298.4034

■ 2.5328, 1.6479,
16.8940

184.2903,
173.9902, 357.0169

■ 0.9118, 0.3896,
9.9978

225.2154,

■ 0.0000, 0.0000,

214.1480, 422.8433

5.2919

271.7906,
260.0532, 496.3010

■ 0.0000, 0.0000,
2.3578

■ 0.0000, 0.0000,
0.7633

■ 36.9331, 32.2134,
98.8790

■ 36.9331, 32.2134,
98.8790

■ 30.6265, 24.4878,
97.7202

■ 44.8262, 41.6869,
100.2915

■ 25.7932, 18.3982,
96.7995

■ 54.4012, 53.0044,
101.9714

■ 22.3105, 13.8242,
96.1002

■ 65.7501, 66.2588,
103.9316

■ 20.0329, 10.6264,
95.6030

■ 78.9572, 81.5356,
106.1842

■ 18.7930, 8.7060,
95.2977

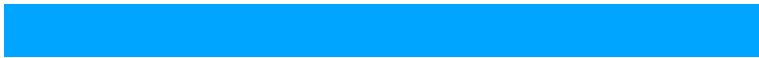
94.1012, 98.9151,
108.7406

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



28.2329, 32.2134, 104.2969



36.9331, 32.2134, 98.8790



45.1701, 32.2134, 72.9968

Triad

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



36.9331, 32.2134, 98.8790



41.9528, 32.2134, 9.8123



17.1800, 32.2134, 28.5166

Complementary

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



36.9331, 32.2134, 98.8790



74.7159, 82.1856, 31.6662

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.



19.5841, 32.2134, 13.2703



36.9331, 32.2134, 98.8790



33.1335, 32.2134, 6.2260

Square

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



36.9331, 32.2134, 98.8790



48.4197, 32.2134, 20.6958



25.0670, 32.2134, 7.1069



17.8213, 32.2134, 54.9266

Rectangle

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



36.9331, 32.2134, 98.8790



48.7752, 32.2134, 52.2004



25.0670, 32.2134, 7.1069



17.6397, 32.2134, 22.1762

Sweetspot

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



36.9343, 32.2144, 98.8791



72.8931, 74.5375, 105.1530



59.1448, 81.8680, 90.1514



15.0103, 15.2693, 22.4061



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.



36.9343, 32.2144, 98.8791



30.3978, 24.2039, 97.6774



41.8747, 30.5788, 98.3030



17.2303, 17.8322, 22.7838



9.8869, 4.6833, 49.8175



1.0256, 0.5818, 4.8715

Inverse Universe

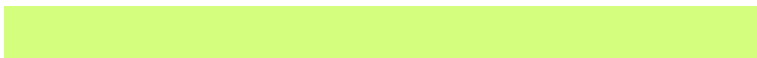
The Inverse Universe completely reimagines the original color for something new.



53.8901, 38.2587, 31.7392



49.3551, 31.7134, 22.4440



66.6783, 87.0239, 33.0237



18.1241, 18.0330, 19.2709



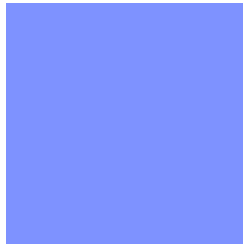
21.7786, 11.2007, 2.2188



2.1523, 1.1033, 0.3833

Previews

White Background



This preview shows how the XYZ color 36.9331, 32.2134, 98.8790 looks on a white background.

Color Contrast Check

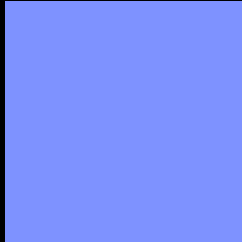
Large Text (above 18pt) WCAG AA × Fail

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 36.9331, 32.2134, 98.8790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

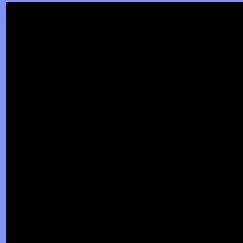
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9331, 32.2134, 98.8790

Background



This preview shows how black text looks on a background with the XYZ color 36.9331, 32.2134, 98.8790.



This preview shows how white text looks on a background with the XYZ color 36.9331, 32.2134,

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

36.9331, 32.2134, 98.8790

Protanopia

35.3868, 32.3477, 98.9864

Deuteranopia

33.4050, 32.3269, 97.4076



Tritanopia

26.3005, 32.0957, 45.8832

Trichromacy



Original Color

36.9331, 32.2134, 98.8790

Protanomaly

35.9999, 32.4279, 98.9696

Deuteranomaly

34.4355, 32.1138, 98.1496

Tritanomaly

29.5068, 31.8367, 62.3475

Monochromacy



Original Color

36.9331, 32.2134, 98.8790

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.4193, 31.3265, 52.5347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9331, 32.2134, 98.8790 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(126, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 146, 255)  
}
```

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(126, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.9331, 32.2134, 98.8790 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(126, 146, 255) }
```


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

```
.border{ border-color:rgb(126, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9331, 32.2134, 98.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 146, 255) }
```

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

```
.background{ background-color: rgb(126,  
146, 255) }
```

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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