

Converting Colors

XYZ(37.4073, 32.5402, 79.6996)

Have a look what the booklet for
XYZ(37.4073, 32.5402, 79.6996)
contains.

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Color

**XYZ(37.4981, 32.6957,
79.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	9891E7
RGB	152, 145, 231
RGB Percent	60%, 57%, 91%
CMY	0.4039, 0.4314, 0.0941
CMYK	0.34, 0.37, 0.00, 0.09
HSL	245°, 64%, 74%
HSV	245°, 37%, 91%
XYZ	37.4981, 32.6957, 79.9358
YIQ	156.8970, -23.4340, 28.2300

Conversions

Conversions Part 2

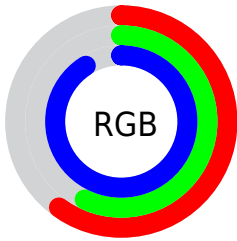
Format	Color
RYB	152, 145, 231
Decimal	9998823
CIELab	63.91, 22.26, -42.64
CIElCh	64, 48.100, 297.564
Yxy	32.6957, 0.2498, 0.2178
Android (android.graphics.Color)	4288188903 (0xFF9891E7)
YUV	156.8970, 36.5328, -4.2947
Hunter-Lab	57.1802, 16.9930, -42.8592

Details

The XYZ color **37.4981, 32.6957, 79.9358** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.4276, 75.0439, 37.8784**, and the grayscale version is **31.8511, 33.5099, 36.4922**.

A 20% lighter version of the original color is **64.4858, 61.4767, 103.0752**, and **16.8671, 13.8762, 42.3468** is the 20% darker color. If you saturate the color by 10%, you get **30.6982, 24.4728, 78.7076**, and if you desaturate by 10%, it is **45.7285, 42.7225, 81.4380**.

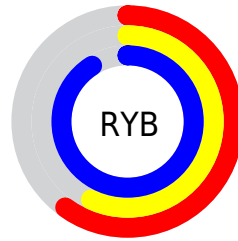
Distribution



Red (60%)

Green (57%)

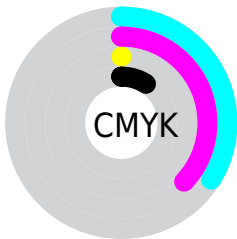
Blue (91%)



Red (60%)

Yellow (57%)

Blue (91%)

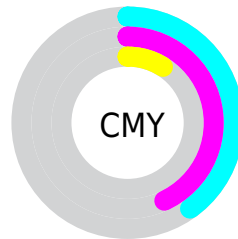


Cyan (34%)

Magenta (37%)

Yellow (0%)

Black (9%)



Cyan (40%)

Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4981, 32.6957, 79.9358 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 37.4981, 32.6957, 79.9358 by changing the saturation by 10% instead.

■ 37.4981, 32.6957,
79.9358

■ 37.4981, 32.6957,
79.9358

326.7802,
314.2763, 514.4175

■ 25.7688, 21.8934,
59.1397

■ 70.6471, 63.9001,
135.0860

■ 16.7825, 13.7786,
42.3048

■ 92.7975, 85.0711,
170.2772

■ 10.1739, 7.9669,
29.0127

119.1523,
110.4671, 211.1039

■ 5.5776, 4.0737,
18.8448

150.0769,
140.4725, 257.9845

■ 2.6282, 1.7149,
11.3825

185.9367,
175.4718, 311.3376

■ 0.9603, 0.4333,
6.2073

227.0969,

■ 0.0000, 0.0000,

215.8492, 371.5818

2.9007

273.9230,
261.9893, 439.1356

■ 0.0000, 0.0000,
1.0442

■ 0.0000, 0.0000,
0.0000

■ 37.4981, 32.6957,
79.9358

■ 37.4981, 32.6957,
79.9358

■ 30.6982, 24.4728,
78.7076

■ 45.7285, 42.7225,
81.4380

■ 25.2434, 17.9430,
77.7347

■ 55.4609, 54.6477,
83.2268

■ 21.0451, 12.9891,
76.9998

■ 66.7664, 68.5637,
85.3170

■ 18.0023, 9.4774,
76.4824

■ 79.7105, 84.5557,
87.7216

■ 15.9982, 7.2518,
76.1584

■ 91.4239, 98.5496,
89.8053

■ 14.8866, 6.1113,
75.9968

■ 14.6887, 5.9061,
75.9677

Harmonies

Analogous

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



30.5263, 32.6957, 87.3529



37.4981, 32.6957, 79.9358



43.4095, 32.6957, 59.5755

Triad

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



37.4981, 32.6957, 79.9358



38.5948, 32.6957, 12.4936



19.7998, 32.6957, 34.0389

Complementary

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



37.4981, 32.6957, 79.9358



64.4276, 75.0439, 37.8784

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.



21.3329, 32.6957, 19.1133



37.4981, 32.6957, 79.9358



31.6329, 32.6957, 9.8317

Square

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



37.4981, 32.6957, 79.9358



44.1046, 32.6957, 20.9843



25.4330, 32.6957, 11.7217



20.9052, 32.6957, 55.7900

Rectangle

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



37.4981, 32.6957, 79.9358



45.6017, 32.6957, 44.2477



25.4330, 32.6957, 11.7217



20.0181, 32.6957, 28.1596

Sweetspot

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



37.4993, 32.6969, 79.9366



77.8931, 78.8273, 105.7175



53.0990, 65.7848, 85.5010



16.2568, 16.3607, 22.5510



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.



37.4993, 32.6969, 79.9366



39.9673, 32.4947, 98.7733



46.7299, 37.4555, 80.3686



13.6910, 13.9429, 18.1140



8.2756, 3.3321, 42.5902



0.6495, 0.2658, 3.1490

Inverse Universe

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



56.5356, 42.6225, 75.7681



67.2368, 46.7222, 92.3886



53.0421, 69.1745, 37.3455



14.9418, 14.5939, 17.8941



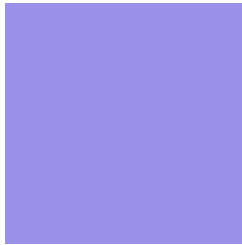
25.1730, 12.2034, 36.1358



1.8753, 0.9078, 2.7497

Previews

White Background



This preview shows how the XYZ color 37.4981, 32.6957, 79.9358 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 37.4981, 32.6957, 79.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

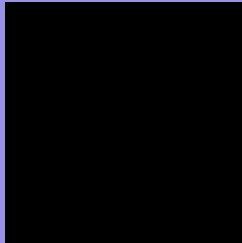
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4981, 32.6957, 79.9358

Background



This preview shows how black text looks on a background with the XYZ color 37.4981, 32.6957, 79.9358.



This preview shows how white text looks on a background with the XYZ color 37.4981, 32.6957,

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

37.4981, 32.6957, 79.9358

Protanopia

34.8265, 32.8560, 84.6270

Deuteranopia

33.7245, 32.9059, 78.7027



Tritanopia

30.1300, 32.8450, 42.7819

Trichromacy



Original Color

37.4981, 32.6957, 79.9358

Protanomaly

35.5744, 32.5614, 83.0073

Deuteranomaly

35.0224, 32.8329, 79.3544

Tritanomaly

32.4073, 32.5175, 54.4376

Monochromacy



Original Color

37.4981, 32.6957, 79.9358

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5605, 33.2117, 49.9891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4981, 32.6957, 79.9358 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(152, 145, 231)` looks like.

```
.text, #text, p{  
    color:rgb(152, 145, 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(152, 145, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 145, 231) }
```

Border

The CSS property to change the border of an element to XYZ 37.4981, 32.6957, 79.9358 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(152, 145, 231) }
```


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

```
.border{ border-color:rgb(152, 145, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 145, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 145, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 145, 231);  
box-shadow:4px 4px 4px 4px rgb(152, 145,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4981, 32.6957, 79.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 145, 231) }
```

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

```
.background{ background-color: rgb(152,  
145, 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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