

Converting Colors

XYZ(45.5983, 35.1796,
138.9817)

Have a look what the booklet for
XYZ(45.5983, 35.1796, 138.9817)
contains.

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Color

**XYZ(37.8641, 32.0158,
98.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	878FFF
RGB	135, 143, 255
RGB Percent	53%, 56%, 100%
CMY	0.4706, 0.4392, 0.0000
CMYK	0.47, 0.44, 0.00, 0.00
HSL	236°, 100%, 76%
HSV	236°, 47%, 100%
XYZ	37.8641, 32.0158, 98.7918
YIQ	153.3760, -40.7200, 33.1360

Conversions

Conversions Part 2

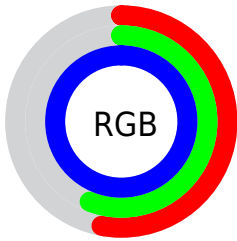
Format	Color
RYB	135, 143, 255
Decimal	8884223
CIELab	63.36, 25.85, -56.80
CIELCh	63, 62.406, 294.472
Yxy	32.0158, 0.2245, 0.1898
Android (android.graphics.Color)	4287074303 (0xFF878FFF)
YUV	153.3760, 50.1006, -16.1158
Hunter-Lab	56.5825, 20.4299, -63.9113

Details

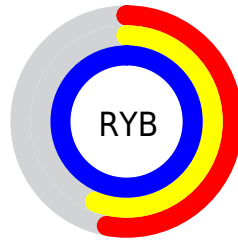
The XYZ color **37.8641, 32.0158, 98.7918** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.8753, 89.5329, 36.0480**, and the grayscale version is **30.2443, 31.8193, 34.6512**.

A 20% lighter version of the original color is **60.0086, 58.4900, 102.7346**, and **17.0879, 13.4424, 55.1201** is the 20% darker color. If you saturate the color by 10%, you get **31.0398, 23.7450, 97.5550**, and if you desaturate by 10%, it is **46.4310, 42.3109, 100.3274**.

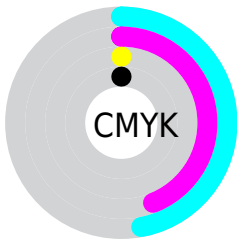
Distribution



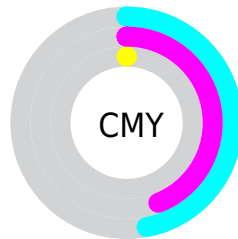
- Red (53%)
- Green (56%)
- Blue (100%)



- Red (53%)
- Yellow (56%)
- Blue (100%)



- Cyan (47%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8641, 32.0158, 98.7918 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 37.8641, 32.0158, 98.7918 by changing the saturation by 10% instead.

■ 37.8641, 32.0158,
98.7918

■ 37.8641, 32.0158,
98.7918

328.3276,
311.1912, 577.5256

■ 26.0540, 21.3736,
74.6807

■ 71.2050, 62.8359,
161.5332

■ 16.9969, 13.3973,
54.8512

■ 93.4665, 83.7825,
201.0006

■ 10.3276, 7.7027,
38.8848

■ 119.9426,
108.9327, 246.4237

■ 5.6806, 3.9053,
26.3630

150.9984,
138.6708, 298.2212

■ 2.6907, 1.6207,
16.8672

186.9995,
173.3814, 356.8116

■ 0.9924, 0.3715,
9.9789

228.3112,

■ 0.0000, 0.0000,

213.4487, 422.6135

5.2795

275.2987,
259.2572, 496.0453

■ 0.0000, 0.0000,
2.3506

■ 0.0000, 0.0000,
0.7594

■ 37.8641, 32.0158,
98.7918

■ 37.8641, 32.0158,
98.7918

■ 31.0398, 23.7450,
97.5550

■ 46.4310, 42.3109,
100.3274

■ 25.8350, 17.3619,
96.5973

■ 56.8453, 54.7485,
102.1792

■ 22.1160, 12.7180,
95.8969

■ 69.2078, 69.4414,
104.3636

■ 19.7261, 9.6410,
95.4290

■ 83.6109, 86.4936,
106.8959

■ 18.4706, 7.9217,
95.1633

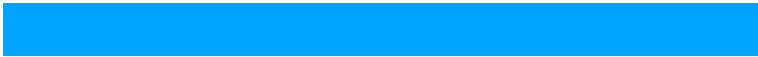
95.0500, 100.0000,
108.9000

■ 18.2504, 7.6207,
95.1168

Harmonies

Analogous

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



28.8536, 32.0158, 107.1545



37.8641, 32.0158, 98.7918



46.0970, 32.0158, 70.5742

Triad

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



37.8641, 32.0158, 98.7918



41.1710, 32.0158, 8.6669



16.6803, 32.0158, 30.4636

Complementary

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



37.8641, 32.0158, 98.7918



78.8753, 89.5329, 36.0480

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.



18.7883, 32.0158, 13.8389



37.8641, 32.0158, 98.7918



32.0629, 32.0158, 5.6744

Square

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



37.8641, 32.0158, 98.7918



48.2459, 32.0158, 18.5985



24.0389, 32.0158, 6.9740



17.6488, 32.0158, 58.5879

Rectangle

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



37.8641, 32.0158, 98.7918



49.4638, 32.0158, 49.2523



24.0389, 32.0158, 6.9740



17.0382, 32.0158, 23.5857

Sweetspot

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



37.8653, 32.0168, 98.7919



73.3899, 74.3989, 105.1001



62.5411, 83.3867, 100.7950



15.0724, 15.1705, 22.3838



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.



37.8653, 32.0168, 98.7919



31.6824, 24.5275, 97.6722



47.2089, 35.1145, 98.8973



17.1002, 17.5720, 22.7404



9.5722, 4.0540, 49.7126



0.9644, 0.4596, 4.8511

Inverse Universe

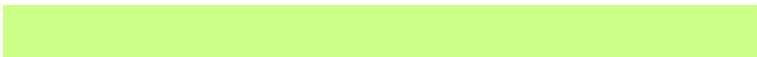
The Inverse Universe completely reimagines the original color for something new.



54.8628, 40.5726, 30.9271



50.5516, 34.2907, 22.2748



64.7627, 85.9662, 36.1034



18.0585, 18.0067, 18.9250



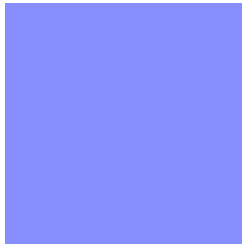
21.6198, 11.1372, 1.3824



2.1214, 1.0909, 0.2208

Previews

White Background



This preview shows how the XYZ color 37.8641, 32.0158, 98.7918 looks on a white background.

Color Contrast Check

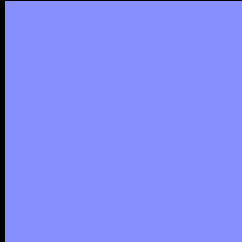
Large Text (above 18pt) WCAG AA × Fail

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 37.8641, 32.0158, 98.7918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

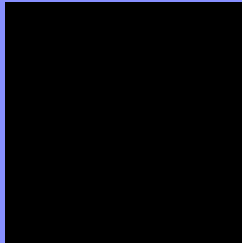
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8641, 32.0158, 98.7918

Background



This preview shows how black text looks on a background with the XYZ color 37.8641, 32.0158, 98.7918.



This preview shows how white text looks on a background with the XYZ color 37.8641, 32.0158,

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

37.8641, 32.0158, 98.7918

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

33.4050, 32.3269, 97.4076



Tritanopia

27.0669, 31.9905, 44.7926

Trichromacy



Original Color

37.8641, 32.0158, 98.7918

Protanomaly

35.9549, 31.9390, 98.8776

Deuteranomaly

34.7396, 32.0326, 98.1179

Tritanomaly

30.0808, 31.4161, 60.9784

Monochromacy



Original Color

37.8641, 32.0158, 98.7918

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.8958, 31.3236, 53.0802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8641, 32.0158, 98.7918 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(135, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 143, 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(135, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8641, 32.0158, 98.7918 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(135, 143, 255) }
```


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

```
.border{ border-color:rgb(135, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8641, 32.0158, 98.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 143, 255) }
```

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

```
.background{ background-color: rgb(135,  
143, 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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