

Converting Colors

XYZ(36.9283, 31.8706, 98.8131)

Have a look what the booklet for
XYZ(36.9283, 31.8706, 98.8131)
contains.

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Color

**XYZ(37.0775, 32.0600,
98.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	8091FF
RGB	128, 145, 255
RGB Percent	50%, 57%, 100%
CMY	0.4980, 0.4314, 0.0000
CMYK	0.50, 0.43, 0.00, 0.00
HSL	232°, 100%, 75%
HSV	232°, 50%, 100%
XYZ	37.0775, 32.0600, 98.8417
YIQ	152.4570, -45.4420, 30.6060

Conversions

Conversions Part 2

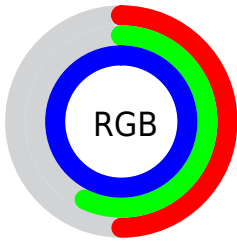
Format	Color
RYB	128, 143, 255
Decimal	8425983
CIELab	63.39, 23.13, -56.77
CIELCh	63, 61.300, 292.167
Yxy	32.0600, 0.2207, 0.1909
Android (android.graphics.Color)	4286616063 (0xFF8091FF)
YUV	152.4570, 50.5537, -21.4488
Hunter-Lab	56.6216, 17.7995, -63.8648

Details

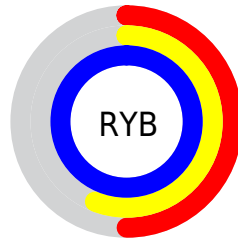
The XYZ color **37.0775, 32.0600, 98.8417** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.7124, 83.9701, 32.6415**, and the grayscale version is **29.8459, 31.4002, 34.1948**.

A 20% lighter version of the original color is **58.9669, 58.6316, 102.8169**, and **16.6000, 13.4549, 55.1482** is the 20% darker color. If you saturate the color by 10%, you get **30.6594, 24.2192, 97.6666**, and if you desaturate by 10%, it is **45.1177, 41.7118, 100.2810**.

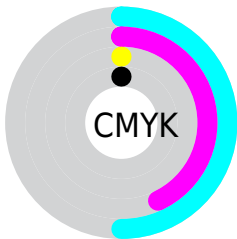
Distribution



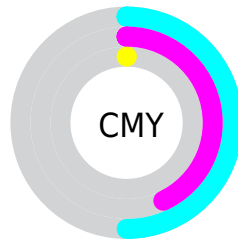
- Red (50%)
- Green (57%)
- Blue (100%)



- Red (50%)
- Yellow (56%)
- Blue (100%)



- Cyan (50%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0775, 32.0600, 98.8417 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 37.0775, 32.0600, 98.8417 by changing the saturation by 10% instead.

■ 37.0775, 32.0600,
98.8417

■ 37.0775, 32.0600,
98.8417

324.9956,
311.3925, 577.6876

■ 25.4415, 21.4073,
74.7221

■ 70.0050, 62.9051,
161.6025

■ 16.5367, 13.4221,
54.8849

■ 92.0272, 83.8664,
201.0807

■ 9.9980, 7.7198,
38.9116

■ 118.2421,
109.0326, 246.5155

■ 5.4599, 3.9162,
26.3836

149.0152,
138.7883, 298.3255

■ 2.5570, 1.6268,
16.8825

184.7117,
173.5177, 356.9291

■ 0.9241, 0.3756,
9.9897

225.6971,

■ 0.0000, 0.0000,

213.6052, 422.7450

5.2866

272.3366,
259.4354, 496.1916

■ 0.0000, 0.0000,
2.3547

■ 0.0000, 0.0000,
0.7616

■ 37.0775, 32.0600,
98.8417

■ 37.0775, 32.0600,
98.8417

■ 30.6594, 24.2192,
97.6666

■ 45.1177, 41.7118,
100.2810

■ 25.7480, 18.0719,
96.7389

■ 54.8774, 53.2756,
101.9986

■ 22.2181, 13.4916,
96.0408

■ 66.4506, 66.8487,
104.0085

■ 19.9222, 10.3317,
95.5520

■ 79.9234, 82.5208,
106.3234

■ 18.6447, 8.3999,
95.2464

95.0500, 100.0000,
108.9000

■ 18.6257, 8.3713,
95.2419

Harmonies

Analogous

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



28.2943, 32.0600, 105.0280



37.0775, 32.0600, 98.8417



45.3213, 32.0600, 72.2982

Triad

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



37.0775, 32.0600, 98.8417



41.6602, 32.0600, 9.4242



16.9581, 32.0600, 28.8983

Complementary

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



37.0775, 32.0600, 98.8417



75.7124, 83.9701, 32.6415

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.



19.2823, 32.0600, 13.3202



37.0775, 32.0600, 98.8417



32.7588, 32.0600, 6.0114

Square

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



37.0775, 32.0600, 98.8417



48.2920, 32.0600, 20.0347



24.7018, 32.0600, 6.9985



17.6836, 32.0600, 55.7607

Rectangle

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



37.0775, 32.0600, 98.8417



48.8699, 32.0600, 51.3301



24.7018, 32.0600, 6.9985



17.3906, 32.0600, 22.4252

Sweetspot

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



37.0787, 32.0610, 98.8419



72.6775, 74.1065, 105.0812



59.7962, 82.1629, 92.0269



14.9591, 15.1669, 22.3890



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.



37.0787, 32.0610, 98.8419



30.5477, 24.0811, 97.6458



42.8830, 31.4820, 98.4242



17.1990, 17.7695, 22.7733



9.7920, 4.4936, 49.7858



1.0109, 0.5525, 4.8666

Inverse Universe

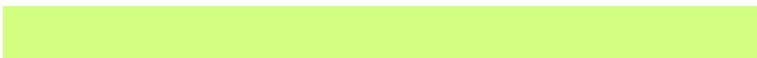
The Inverse Universe completely reimagines the original color for something new.



54.0709, 38.7443, 31.4174



49.5338, 32.1797, 22.1681



66.3925, 86.8615, 33.6908



18.1083, 18.0266, 19.1876



21.7308, 11.1816, 1.9667



2.1449, 1.1003, 0.3443

Previews

White Background



This preview shows how the XYZ color 37.0775, 32.0600, 98.8417 looks on a white background.

Color Contrast Check

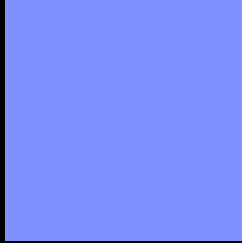
Large Text (above 18pt) WCAG AA × Fail

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 37.0775, 32.0600, 98.8417 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 37.0775, 32.0600, 98.8417

Background



This preview shows how black text looks on a background with the XYZ color 37.0775, 32.0600, 98.8417.



This preview shows how white text looks on a background with the XYZ color 37.0775, 32.0600,

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

37.0775, 32.0600, 98.8417

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

33.3097, 32.2778, 97.4031



Tritanopia

26.5272, 32.2125, 45.8938

Trichromacy



Original Color

37.0775, 32.0600, 98.8417

Protanomaly

35.8424, 32.1128, 98.9170

Deuteranomaly

34.5495, 32.1725, 98.1549

Tritanomaly

29.5900, 31.6295, 62.3031

Monochromacy



Original Color

37.0775, 32.0600, 98.8417

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.2604, 31.0087, 52.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0775, 32.0600, 98.8417 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(128, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 145, 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(128, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.0775, 32.0600, 98.8417 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(128, 145, 255) }
```


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

```
.border{ border-color:rgb(128, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 145, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 145, 255); box-shadow:4px 4px 4px 4px rgb(128, 145, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0775, 32.0600, 98.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 145, 255) }
```

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

```
.background{ background-color: rgb(128,  
145, 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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