

Converting Colors

XYZ(38.2578, 32.6891, 98.9010)

Have a look what the booklet for
XYZ(38.2578, 32.6891, 98.9010)
contains.

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Color

**XYZ(38.1671, 32.6217,
98.8927)**

Conversions

Conversions Part 1

Format	Color
Hex	8791FF
RGB	135, 145, 255
RGB Percent	53%, 57%, 100%
CMY	0.4706, 0.4314, 0.0000
CMYK	0.47, 0.43, 0.00, 0.00
HSL	235°, 100%, 76%
HSV	235°, 47%, 100%
XYZ	38.1671, 32.6217, 98.8927
YIQ	154.5500, -41.2700, 32.0900

Conversions

Conversions Part 2

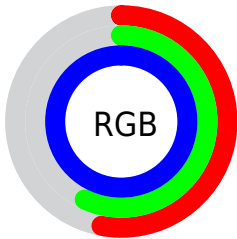
Format	Color
RYB	135, 144, 255
Decimal	8884735
CIELab	63.85, 24.69, -56.01
CIELCh	64, 61.207, 293.786
Yxy	32.6217, 0.2249, 0.1923
Android (android.graphics.Color)	4287074815 (0xFF8791FF)
YUV	154.5500, 49.5219, -17.1453
Hunter-Lab	57.1154, 19.3298, -62.6771

Details

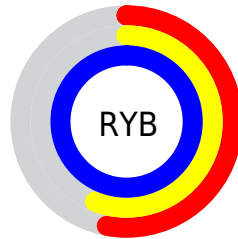
The XYZ color **38.1671, 32.6217, 98.8927** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.2671, 88.3165, 35.8454**, and the grayscale version is **30.7599, 32.3618, 35.2420**.

A 20% lighter version of the original color is **60.4657, 59.4043, 102.8870**, and **17.2657, 13.7981, 55.1794** is the 20% darker color. If you saturate the color by 10%, you get **31.3328, 24.3308, 97.6526**, and if you desaturate by 10%, it is **46.7210, 42.8907, 100.4240**.

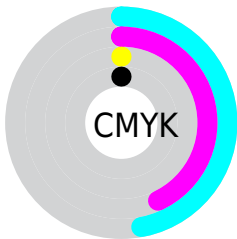
Distribution



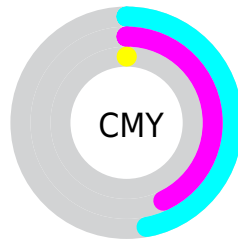
- Red (53%)
- Green (57%)
- Blue (100%)



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



- Cyan (47%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1671, 32.6217, 98.8927 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 38.1671, 32.6217, 98.8927 by changing the saturation by 10% instead.

■ 38.1671, 32.6217,
98.8927

■ 38.1671, 32.6217,
98.8927

329.6047,
313.9416, 577.8530

■ 26.2902, 21.8368,
74.7644

■ 71.6664, 63.7845,
161.6732

■ 17.1747, 13.7370,
54.9193

■ 94.0196, 84.9311,
201.1626

■ 10.4552, 7.9380,
38.9390

120.5955,
110.3005, 246.6093

■ 5.7664, 4.0553,
26.4048

151.7596,
140.2769, 298.4320

■ 2.7428, 1.7045,
16.8982

187.8773,
175.2449, 357.0491

■ 1.0193, 0.4266,
10.0008

229.3137,

■ 0.0000, 0.0000,

215.5887, 422.8793

5.2939

276.4344,
261.6928, 496.3411

■ 0.0000, 0.0000,
2.3590

■ 0.0000, 0.0000,
0.7640

■ 38.1671, 32.6217,
98.8927

■ 38.1671, 32.6217,
98.8927

■ 31.3328, 24.3308,
97.6526

■ 46.7210, 42.8907,
100.4240

■ 26.0978, 17.8874,
96.6849

■ 57.0966, 55.2509,
102.2629

■ 22.3321, 13.1500,
95.9689

■ 69.3924, 69.8103,
104.4251

■ 19.8831, 9.9549,
95.4813

■ 83.6986, 86.6689,
106.9251

■ 18.5621, 8.1048,
95.1938

95.0500, 100.0000,
108.9000

■ 18.3227, 7.7653,
95.1409

Harmonies

Analogous

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



29.2497, 32.6217, 106.4920



38.1671, 32.6217, 98.8927



46.3576, 32.6217, 71.5015

Triad

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



38.1671, 32.6217, 98.8927



41.8410, 32.6217, 9.3690



17.2979, 32.6217, 30.6345

Complementary

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



38.1671, 32.6217, 98.8927



78.2671, 88.3165, 35.8454

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.



19.4837, 32.6217, 14.2393



38.1671, 32.6217, 98.8927



32.8311, 32.6217, 6.1729

Square

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



38.1671, 32.6217, 98.8927



48.7383, 32.6217, 19.6345



24.8017, 32.6217, 7.4143



18.1994, 32.6217, 58.2559

Rectangle

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



38.1671, 32.6217, 98.8927



49.7553, 32.6217, 50.4570



24.8017, 32.6217, 7.4143



17.6807, 32.6217, 23.8660

Sweetspot

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



38.1683, 32.6228, 98.8929



73.5479, 74.7149, 105.1528



62.2341, 83.2640, 99.1781



15.1102, 15.2462, 22.3964



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.



38.1683, 32.6228, 98.8929



31.9773, 25.1173, 97.7705



46.7231, 34.8642, 98.8746



17.1246, 17.6208, 22.7485



9.6158, 4.1412, 49.7271



0.9760, 0.4826, 4.8550

Inverse Universe

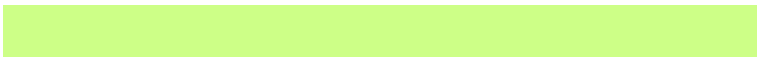
The Inverse Universe completely reimagines the original color for something new.



55.0158, 40.6339, 31.7324



50.7004, 34.3502, 23.0587



65.3111, 86.2489, 36.1292



18.0708, 18.0116, 18.9899



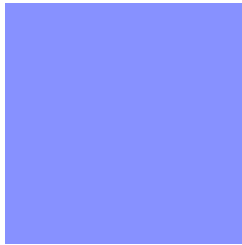
21.6418, 11.1460, 1.4983



2.1272, 1.0933, 0.2514

Previews

White Background



This preview shows how the XYZ color 38.1671, 32.6217, 98.8927 looks on a white background.

Color Contrast Check

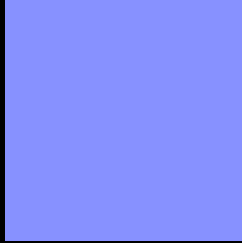
Large Text (above 18pt) WCAG AA × Fail

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 38.1671, 32.6217, 98.8927 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 38.1671, 32.6217, 98.8927

Background



This preview shows how black text looks on a background with the XYZ color 38.1671, 32.6217, 98.8927.



This preview shows how white text looks on a background with the XYZ color 38.1671, 32.6217,

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

38.1671, 32.6217, 98.8927

Protanopia

35.7987, 32.7980, 99.0516

Deuteranopia

33.9652, 32.8617, 97.4813



Tritanopia

27.6158, 32.7737, 45.9448

Trichromacy



Original Color

38.1671, 32.6217, 98.8927

Protanomaly

36.5432, 32.7080, 98.9950

Deuteranomaly

35.1403, 32.4771, 98.1825

Tritanomaly

30.6536, 32.1778, 62.3529

Monochromacy



Original Color

38.1671, 32.6217, 98.8927

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6833, 32.1907, 53.7810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1671, 32.6217, 98.8927 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, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.1671, 32.6217, 98.8927 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, 145, 255) }
```


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

```
.border{ border-color:rgb(135, 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(135, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1671, 32.6217, 98.8927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 145, 255) }
```

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

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