

Converting Colors

XYZ(31.8883, 27.9310, 78.5885)

Have a look what the booklet for
XYZ(31.8883, 27.9310, 78.5885)
contains.

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Color

**XYZ(31.8395, 27.8335,
78.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	7F88E6
RGB	127, 136, 230
RGB Percent	50%, 53%, 90%
CMY	0.5019, 0.4667, 0.0980
CMYK	0.45, 0.41, 0.00, 0.10
HSL	235°, 67%, 70%
HSV	235°, 45%, 90%
XYZ	31.8395, 27.8335, 78.5572
YIQ	144.0250, -35.5380, 27.3260

Conversions

Conversions Part 2

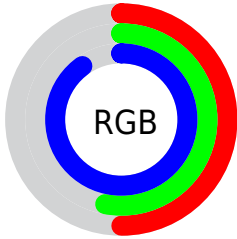
Format	Color
RYB	127, 135, 230
Decimal	8358118
CIELab	59.74, 20.80, -48.80
CIELCh	60, 53.043, 293.083
Yxy	27.8335, 0.2303, 0.2014
Android (android.graphics.Color)	4286548198 (0xFF7F88E6)
YUV	144.0250, 42.3857, -14.9309
Hunter-Lab	52.7575, 15.4004, -51.3541

Details

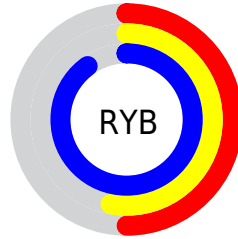
The XYZ color **31.8395, 27.8335, 78.5572** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.3218, 70.0703, 30.3205**, and the grayscale version is **26.3653, 27.7383, 30.2070**.

A 20% lighter version of the original color is **56.0148, 53.8055, 102.0410**, and **13.5740, 11.1745, 41.4859** is the 20% darker color. If you saturate the color by 10%, you get **26.1245, 20.9205, 77.5246**, and if you desaturate by 10%, it is **38.9174, 36.3092, 79.8207**.

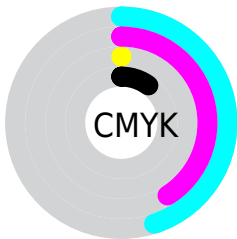
Distribution



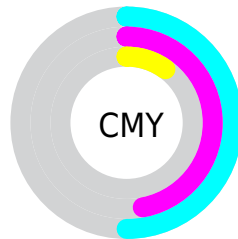
- Red (50%)
- Green (53%)
- Blue (90%)



- Red (50%)
- Yellow (53%)
- Blue (90%)



- Cyan (45%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8395, 27.8335, 78.5572 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 31.8395, 27.8335, 78.5572 by changing the saturation by 10% instead.

■ 31.8395, 27.8335,
78.5572

■ 31.8395, 27.8335,
78.5572

302.1458,
291.6705, 509.6351

■ 21.3939, 18.2002,
58.0127

■ 61.9263, 56.2185,
133.1283

■ 13.5263, 11.0938,
41.4040

■ 82.2982, 75.7390,
167.9920

■ 7.8715, 6.1300,
28.3129

■ 106.7095, 99.3240,
208.4657

■ 4.0639, 2.9243,
18.3205

135.5257,
127.3579, 254.9681

■ 1.7384, 1.0923,
11.0085

169.1121,
160.2251, 307.9177

■ 0.4801, 0.0000,
5.9583

207.8340,

■ 0.0000, 0.0000,

198.3100, 367.7330

2.7514

252.0567,
241.9970, 434.8326

■ 0.0000, 0.0000,
0.9691

■ 0.0000, 0.0000,
0.0000

■ 31.8395, 27.8335,
78.5572

■ 31.8395, 27.8335,
78.5572

■ 26.1245, 20.9205,
77.5246

■ 38.9174, 36.3092,
79.8207

■ 21.6813, 15.4717,
76.7071

■ 47.4349, 46.4324,
81.3257

■ 18.4127, 11.3818,
76.0899

■ 57.4669, 58.2849,
83.0847

■ 16.2060, 8.5300,
75.6558

■ 69.0822, 71.9424,
85.1087

■ 14.9259, 6.7739,
75.3843

■ 82.3452, 87.4762,
87.4080

■ 14.5348, 6.2168,
75.2974

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



24.9320, 27.8335, 83.7392



31.8395, 27.8335, 78.5572



38.1620, 27.8335, 58.3416

Triad

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



31.8395, 27.8335, 78.5572



34.9811, 27.8335, 9.3305



15.6073, 27.8335, 26.0721

Complementary

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



31.8395, 27.8335, 78.5572



62.3218, 70.0703, 30.3205

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.



17.4264, 27.8335, 13.0951



31.8395, 27.8335, 78.5572



28.0386, 27.8335, 6.4404

Square

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



31.8395, 27.8335, 78.5572



40.1793, 27.8335, 18.0103



21.7144, 27.8335, 7.4458



16.2769, 27.8335, 47.2134

Rectangle

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



31.8395, 27.8335, 78.5572



40.8093, 27.8335, 42.3729



21.7144, 27.8335, 7.4458



15.9361, 27.8335, 20.7796

Sweetspot

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



31.8406, 27.8345, 78.5579



74.9848, 76.4390, 105.4098



49.9288, 66.2579, 77.6604



15.3949, 15.5895, 22.4476



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.



31.8406, 27.8345, 78.5579



33.3201, 26.8100, 98.0264



38.0648, 29.2403, 78.5012



13.6835, 14.0885, 18.1425



8.2655, 3.5931, 42.6411



0.6459, 0.3357, 3.1627

Inverse Universe

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



44.6674, 33.7807, 27.4594



51.6206, 35.6463, 25.0434



53.0654, 68.9200, 30.5864



14.4279, 14.3883, 15.1875



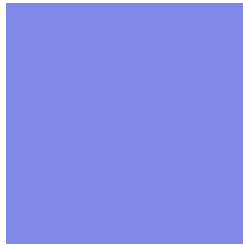
18.5656, 9.5604, 1.3412



1.3896, 0.7136, 0.1924

Previews

White Background



This preview shows how the XYZ color 31.8395, 27.8335, 78.5572 looks on a white background.

Color Contrast Check

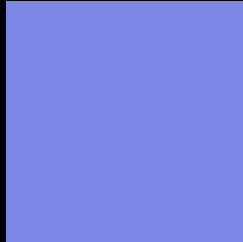
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8395, 27.8335, 78.5572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

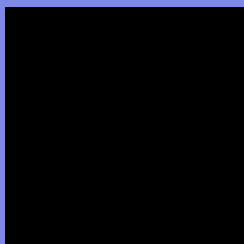
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8395, 27.8335, 78.5572

Background



This preview shows how black text looks on a background with the XYZ color 31.8395, 27.8335, 78.5572.



This preview shows how white text looks on a background with the XYZ color 31.8395, 27.8335,

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

31.8395, 27.8335, 78.5572

Protanopia

30.3200, 28.0544, 81.6589

Deuteranopia

28.8007, 28.0348, 77.2921



Tritanopia

23.9841, 28.0288, 38.7963

Trichromacy



Original Color

31.8395, 27.8335, 78.5572

Protanomaly

30.8800, 27.9258, 80.8535

Deuteranomaly

29.7311, 27.8327, 77.9340

Tritanomaly

26.4510, 27.8586, 50.9968

Monochromacy



Original Color

31.8395, 27.8335, 78.5572

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.7440, 27.5482, 44.4125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8395, 27.8335, 78.5572 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(127, 136, 230)` looks like.

```
.text, #text, p{  
    color:rgb(127, 136, 230)  
}
```

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(127, 136, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 136, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.8395, 27.8335, 78.5572 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(127, 136, 230) }
```


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

```
.border{ border-color:rgb(127, 136, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 136, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 136, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 136, 230);  
box-shadow:4px 4px 4px 4px rgb(127, 136,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8395, 27.8335, 78.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 136, 230) }
```

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

```
.background{ background-color: rgb(127,  
136, 230) }
```

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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