

Converting Colors

XYZ(45.8335, 32.5639,
157.8004)

Have a look what the booklet for
XYZ(45.8335, 32.5639, 157.8004)
contains.

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Color

**XYZ(34.4696, 27.9335,
98.1827)**

Conversions

Conversions Part 1

Format	Color
Hex	7B84FF
RGB	123, 132, 255
RGB Percent	48%, 52%, 100%
CMY	0.5176, 0.4823, 0.0000
CMYK	0.52, 0.48, 0.00, 0.00
HSL	236°, 100%, 74%
HSV	236°, 52%, 100%
XYZ	34.4696, 27.9335, 98.1827
YIQ	143.3310, -44.8470, 36.3450

Conversions

Conversions Part 2

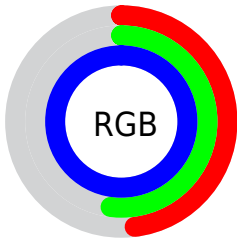
Format	Color
RYB	123, 131, 255
Decimal	8094975
CIELab	59.83, 29.72, -62.48
CIElCh	60, 69.188, 295.435
Yxy	27.9335, 0.2146, 0.1739
Android (android.graphics.Color)	4286285055 (0xFF7B84FF)
YUV	143.3310, 55.0528, -17.8303
Hunter-Lab	52.8522, 23.9245, -73.1457

Details

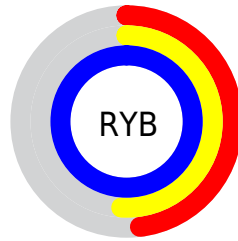
The XYZ color **34.4696, 27.9335, 98.1827** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.7725, 88.6042, 31.7440**, and the grayscale version is **26.0414, 27.3976, 29.8359**.

A 20% lighter version of the original color is **54.9274, 51.9852, 101.7469**, and **14.9749, 11.1475, 54.1857** is the 20% darker color. If you saturate the color by 10%, you get **28.4217, 20.5650, 97.0792**, and if you desaturate by 10%, it is **42.2033, 37.2609, 99.5755**.

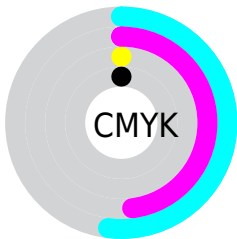
Distribution



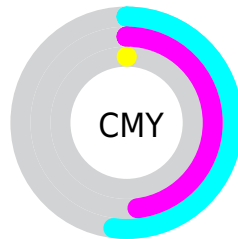
- Red (48%)
- Green (52%)
- Blue (100%)



- Red (48%)
- Yellow (51%)
- Blue (100%)



- Cyan (52%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4696, 27.9335, 98.1827 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 34.4696, 27.9335, 98.1827 by changing the saturation by 10% instead.

■ 34.4696, 27.9335,
98.1827

■ 34.4696, 27.9335,
98.1827

313.7701,
292.1490, 575.5472

■ 23.4192, 18.2755,
74.1753

■ 66.0027, 56.3783,
160.6876

■ 15.0257, 11.1480,
54.4399

■ 87.2161, 75.9338,
200.0221

■ 8.9239, 6.1665,
38.5579

■ 112.5480, 99.5574,
245.3028

■ 4.7483, 2.9466,
26.1108

142.3635,
127.6334, 296.9482

■ 2.1336, 1.1039,
16.6800

177.0281,
160.5461, 355.3768

■ 0.7074, 0.0000,
9.8471

216.9072,

■ 0.0000, 0.0000,

198.6800, 421.0071

5.1934

262.3661,
242.4196, 494.2577

■ 0.0000, 0.0000,
2.3005

■ 0.0000, 0.0000,
0.7315

■ 34.4696, 27.9335,
98.1827

■ 34.4696, 27.9335,
98.1827

■ 28.4217, 20.5650,
97.0792

■ 42.2033, 37.2609,
99.5755

■ 23.9304, 15.0130,
96.2443

■ 51.7325, 48.6707,
101.2755

■ 20.8532, 11.1198,
95.6550

■ 63.1616, 62.2794,
103.2999

■ 19.0195, 8.6997,
95.2845

■ 76.5859, 78.1940,
105.6642

■ 18.2564, 7.6328,
95.1188

■ 92.0943, 96.5145,
108.3830

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.2304, 27.9335, 108.4066



34.4696, 27.9335, 98.1827



42.9953, 27.9335, 66.8591

Triad

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



34.4696, 27.9335, 98.1827



37.3105, 27.9335, 5.4626



13.0399, 27.9335, 26.7311

Complementary

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



34.4696, 27.9335, 98.1827



77.7725, 88.6042, 31.7440

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.



14.9452, 27.9335, 10.4214



34.4696, 27.9335, 98.1827



27.9147, 27.9335, 3.2078

Square

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



34.4696, 27.9335, 98.1827



44.8726, 27.9335, 14.0327



19.9470, 27.9335, 4.3282



14.0489, 27.9335, 56.2243

Rectangle

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



34.4696, 27.9335, 98.1827



46.4404, 27.9335, 44.2461



19.9470, 27.9335, 4.3282



13.3463, 27.9335, 19.8158

Sweetspot

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



34.4707, 27.9344, 98.1828



70.6478, 71.1620, 104.6198



60.2584, 82.2631, 98.2907



14.5326, 14.5333, 22.2892



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.



34.4707, 27.9344, 98.1828



28.2975, 20.4126, 97.0563



43.4945, 30.8527, 98.2705



17.1024, 17.5764, 22.7411



9.5759, 4.0613, 49.7138



0.9655, 0.4616, 4.8515

Inverse Universe

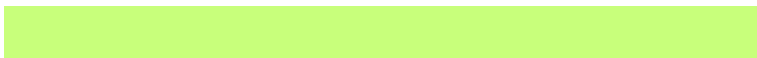
The Inverse Universe completely reimagines the original color for something new.



52.4886, 37.0933, 26.2237



48.1950, 30.8667, 17.5146



63.1556, 85.2299, 31.8631



18.0596, 18.0071, 18.9309



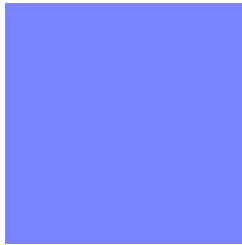
21.6217, 11.1380, 1.3922



2.1219, 1.0911, 0.2235

Previews

White Background



This preview shows how the XYZ color 34.4696, 27.9335, 98.1827 looks on a white background.

Color Contrast Check

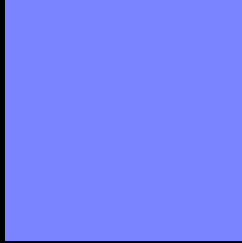
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4696, 27.9335, 98.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

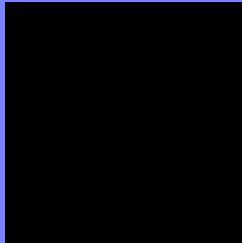
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4696, 27.9335, 98.1827

Background



This preview shows how black text looks on a background with the XYZ color 34.4696, 27.9335, 98.1827.



This preview shows how white text looks on a background with the XYZ color 34.4696, 27.9335,

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

34.4696, 27.9335, 98.1827

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

29.2657, 28.3161, 96.0185



Tritanopia

22.7989, 27.8788, 39.7768

Trichromacy



Original Color

34.4696, 27.9335, 98.1827

Protanomaly

32.3625, 27.8780, 98.2831

Deuteranomaly

30.3964, 27.7613, 96.6849

Tritanomaly

26.1441, 27.3313, 57.3236

Monochromacy



Original Color

34.4696, 27.9335, 98.1827

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.0377, 27.1602, 49.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4696, 27.9335, 98.1827 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(123, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 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(123, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.4696, 27.9335, 98.1827 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(123, 132, 255) }
```


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

```
.border{ border-color:rgb(123, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4696, 27.9335, 98.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 255) }
```

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

```
.background{ background-color: rgb(123,  
132, 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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