

Converting Colors

XYZ(46.2278, 31.4778,
157.6196)

Have a look what the booklet for
XYZ(46.2278, 31.4778, 157.6196)
contains.

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Color

**XYZ(34.8709, 26.9670,
97.9750)**

Conversions

Conversions Part 1

Format	Color
Hex	837EFF
RGB	131, 126, 255
RGB Percent	51%, 49%, 100%
CMY	0.4863, 0.5059, 0.0000
CMYK	0.49, 0.51, 0.00, 0.00
HSL	242°, 100%, 75%
HSV	242°, 51%, 100%
XYZ	34.8709, 26.9670, 97.9750
YIQ	142.2010, -38.4290, 41.1790

Conversions

Conversions Part 2

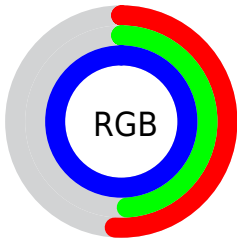
Format	Color
R_{YB}	131, 126, 255
Decimal	8617727
CIE _{Lab}	58.94, 34.91, -63.87
CIE _{LCh}	59, 72.788, 298.658
Yxy	26.9670, 0.2182, 0.1687
Android (android.graphics.Color)	4286807807 (0xFF837EFF)
YUV	142.2010, 55.6099, -9.8233
Hunter-Lab	51.9298, 28.9859, -75.5106

Details

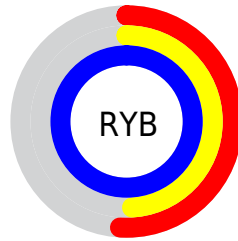
The XYZ color **34.8709, 26.9670, 97.9750** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.9489, 93.3497, 33.5964**, and the grayscale version is **25.5894, 26.9220, 29.3181**.

A 20% lighter version of the original color is **55.4053, 50.4073, 101.4172**, and **15.1862, 10.6042, 54.0697** is the 20% darker color. If you saturate the color by 10%, you get **28.6582, 19.5254, 96.8661**, and if you desaturate by 10%, it is **42.8144, 36.5348, 99.4031**.

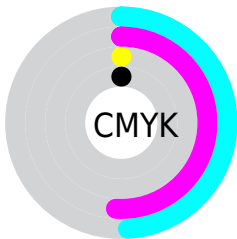
Distribution



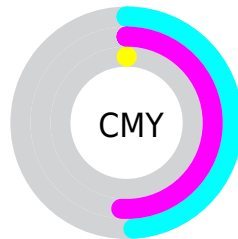
- Red (51%)
- Green (49%)
- Blue (100%)



- Red (51%)
- Yellow (49%)
- Blue (100%)



- Cyan (49%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8709, 26.9670, 97.9750 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 34.8709, 26.9670, 97.9750 by changing the saturation by 10% instead.

■ 34.8709, 26.9670,
97.9750

■ 34.8709, 26.9670,
97.9750

315.5161,
287.4973, 574.8717

■ 23.7295, 17.5484,
74.0030

■ 66.6211, 54.8309,
160.3991

■ 15.2567, 10.6263,
54.2997

■ 87.9605, 74.0450,
199.6883

■ 9.0872, 5.8161,
38.4465

■ 113.4301, 97.2932,
244.9203

■ 4.8557, 2.7336,
26.0249

143.3950,
124.9597, 296.5137

■ 2.1967, 0.9943,
16.6163

178.2207,
157.4289, 354.8870

■ 0.7410, 0.0000,
9.8023

218.2726,

■ 0.0000, 0.0000,

195.0854, 420.4588

5.1642

263.9159,
238.3134, 493.6475

■ 0.0000, 0.0000,
2.2835

■ 0.0000, 0.0000,
0.7219

■ 34.8709, 26.9670,
97.9750

■ 34.8709, 26.9670,
97.9750

■ 28.6582, 19.5254,
96.8661

■ 42.8144, 36.5348,
99.4031

■ 24.0444, 14.0455,
96.0515

■ 52.6012, 48.3715,
101.1720

■ 20.8838, 10.3426,
95.5034

■ 64.3380, 62.6103,
103.3018

■ 19.0027, 8.1960,
95.1882

■ 78.1225, 79.3737,
105.8109

■ 18.1738, 7.2838,
95.0558

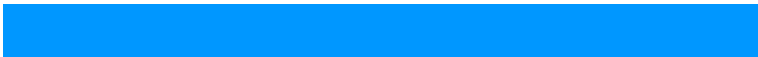
94.0459, 98.7755,
108.7166

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.



25.2276, 26.9670, 112.1516



34.8709, 26.9670, 97.9750



43.4598, 26.9670, 63.4741

Triad

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



34.8709, 26.9670, 97.9750



35.7411, 26.9670, 4.1021



11.9187, 26.9670, 28.2155

Complementary

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



34.8709, 26.9670, 97.9750



78.9489, 93.3497, 33.5964

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.



13.4985, 26.9670, 10.3761



34.8709, 26.9670, 97.9750



26.0393, 26.9670, 2.4477

Square

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



34.8709, 26.9670, 97.9750



44.0394, 26.9670, 11.4152



18.1876, 26.9670, 3.7970



13.2356, 26.9670, 60.1676

Rectangle

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



34.8709, 26.9670, 97.9750



46.6487, 26.9670, 40.2424



18.1876, 26.9670, 3.7970



12.1201, 26.9670, 20.6448

Sweetspot

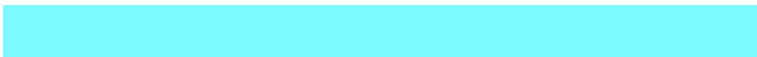
The Sweet Spot groups the original color and five complimentary colors.



34.8720, 26.9678, 97.9751



71.7819, 71.6584, 104.6559



61.0580, 80.4628, 106.9205



14.7468, 14.5871, 22.2883



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.



34.8720, 26.9678, 97.9751



28.4373, 19.2618, 96.8268



47.9653, 33.7177, 98.5879



17.0681, 17.4113, 22.7111



9.5244, 3.8205, 49.6700



0.9493, 0.3833, 4.8372

Inverse Universe

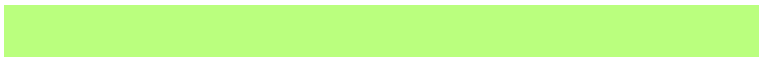
The Inverse Universe completely reimagines the original color for something new.



65.9558, 43.0840, 95.2791



62.8382, 37.1066, 93.4452



59.8245, 83.4907, 32.7014



18.7604, 18.2875, 22.6216



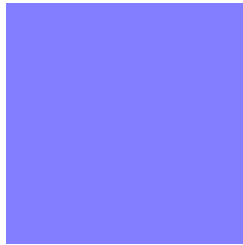
30.1828, 14.5624, 46.4748



2.9479, 1.4215, 4.5731

Previews

White Background



This preview shows how the XYZ color 34.8709, 26.9670, 97.9750 looks on a white background.

Color Contrast Check

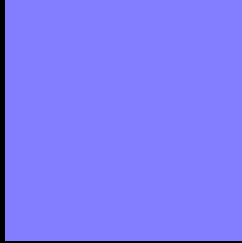
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8709, 26.9670, 97.9750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

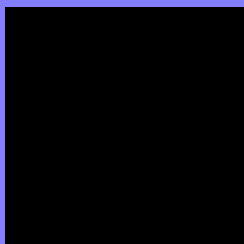
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8709, 26.9670, 97.9750

Background



This preview shows how black text looks on a background with the XYZ color 34.8709, 26.9670, 97.9750.



This preview shows how white text looks on a background with the XYZ color 34.8709, 26.9670,

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

34.8709, 26.9670, 97.9750

Protanopia

30.7946, 27.2818, 98.2506

Deuteranopia

28.3003, 27.3830, 95.0606



Tritanopia

22.7740, 26.9517, 37.7201

Trichromacy



Original Color

34.8709, 26.9670, 97.9750

Protanomaly

31.9419, 27.0369, 98.1429

Deuteranomaly

29.3404, 26.3754, 95.6400

Tritanomaly

26.1853, 26.5006, 55.3648

Monochromacy



Original Color

34.8709, 26.9670, 97.9750

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.8326, 26.4305, 48.4344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8709, 26.9670, 97.9750 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(131, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 126, 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(131, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.8709, 26.9670, 97.9750 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(131, 126, 255) }
```


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

```
.border{ border-color:rgb(131, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8709, 26.9670, 97.9750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 255) }
```

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

```
.background{ background-color: rgb(131,  
126, 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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