

Converting Colors

XYZ(34.2140, 21.1755,
109.4231)

Have a look what the booklet for
XYZ(34.2140, 21.1755, 109.4231)
contains.

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Color

**XYZ(31.8842, 20.2937,
96.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	865EFF
RGB	134, 94, 255
RGB Percent	53%, 37%, 100%
CMY	0.4745, 0.6314, 0.0000
CMYK	0.47, 0.63, 0.00, 0.00
HSL	255°, 100%, 68%
HSV	255°, 63%, 100%
XYZ	31.8842, 20.2937, 96.8443
YIQ	124.3140, -27.8410, 58.5510

Conversions

Conversions Part 2

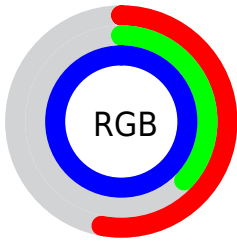
Format	Color
R_{YB}	134, 94, 255
Decimal	8806143
CIE _{Lab}	52.17, 53.59, -74.81
CIE _{LCh}	52, 92.023, 305.616
Yxy	20.2937, 0.2140, 0.1362
Android (android.graphics.Color)	4286996223 (0xFF865EFF)
YUV	124.3140, 64.4282, 8.4946
Hunter-Lab	45.0485, 47.5028, -95.9263

Details

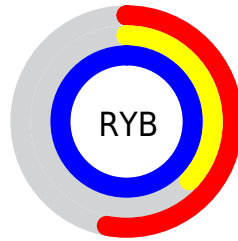
The XYZ color **31.8842, 20.2937, 96.8443** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **65.8032, 86.7745, 23.8707**, and the grayscale version is **19.0621, 20.0548, 21.8397**.

A 20% lighter version of the original color is **50.5770, 39.2471, 99.5175**, and **13.5773, 7.1722, 53.4921** is the 20% darker color. If you saturate the color by 10%, you get **27.1970, 15.0492, 96.0791**, and if you desaturate by 10%, it is **37.8754, 27.3219, 97.8851**.

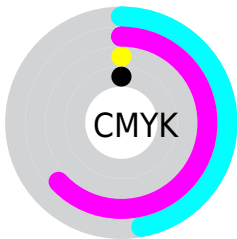
Distribution



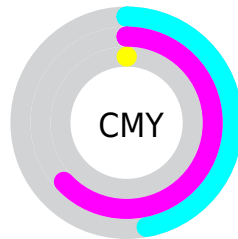
- Red (53%)
- Green (37%)
- Blue (100%)



- Red (53%)
- Yellow (37%)
- Blue (100%)



- Cyan (47%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8842, 20.2937, 96.8443 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 31.8842, 20.2937, 96.8443 by changing the saturation by 10% instead.

■ 31.8842, 20.2937,
96.8443

■ 31.8842, 20.2937,
96.8443

302.3461,
253.5007, 571.1871

■ 21.4282, 12.6087,
73.0656

■ 61.9959, 43.9090,
158.8276

■ 13.5516, 7.1597,
53.5375

■ 82.3823, 60.6082,
197.8692

■ 7.8891, 3.5622,
37.8413

■ 106.8096, 81.0809,
242.8355

■ 4.0753, 1.4318,
25.5587

■ 135.6431,
105.7114, 294.1452

■ 1.7448, 0.2400,
16.2710

169.2481,
134.8843, 352.2166

■ 0.4841, 0.0000,
9.5597

207.9900,

■ 0.0000, 0.0000,

168.9839, 417.4683

5.0062

252.2342,
208.3945, 490.3190

■ 0.0000, 0.0000,
2.1921

■ 0.0000, 0.0000,
0.6698

■ 31.8842, 20.2937,
96.8443

■ 31.8842, 20.2937,
96.8443

■ 27.1970, 15.0492,
96.0791

■ 37.8754, 27.3219,
97.8851

■ 23.7039, 11.4172,
95.5621

■ 45.2619, 36.2793,
99.2248

■ 21.2798, 9.1942,
95.2608

■ 54.1298, 47.2984,
100.8843

■ 20.1231, 8.2887,
95.1470

■ 64.5569, 60.4989,
102.8827

■ 76.6156, 75.9915,
105.2375

■ 90.3736, 93.8794,
107.9651

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.



21.1169, 20.2937, 124.4524



31.8842, 20.2937, 96.8443



40.9509, 20.2937, 51.1973

Triad

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



31.8842, 20.2937, 96.8443



27.7797, 20.2937, 0.4286



6.2902, 20.2937, 27.5746

Complementary

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



31.8842, 20.2937, 96.8443



65.8032, 86.7745, 23.8707

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.



7.0431, 20.2937, 6.8487



31.8842, 20.2937, 96.8443



17.5689, 20.2937, 0.0000

Square

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



31.8842, 20.2937, 96.8443



38.0906, 20.2937, 3.5581



10.5426, 20.2937, 1.0612



7.9885, 20.2937, 68.1978

Rectangle

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



31.8842, 20.2937, 96.8443



43.5883, 20.2937, 26.3061



10.5426, 20.2937, 1.0612



6.2741, 20.2937, 18.3616

Sweetspot

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



31.8851, 20.2943, 96.8444



69.3438, 66.6243, 103.8127



47.5909, 59.4492, 103.5743



14.1276, 13.3448, 22.0812



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.



31.8851, 20.2943, 96.8444



26.0799, 13.8527, 95.9070



49.2234, 29.2325, 97.6558



17.4258, 17.5957, 22.7278



10.6280, 4.3894, 49.7217



1.1293, 0.4761, 4.8456

Inverse Universe

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



57.5078, 34.1715, 67.8513



54.1629, 29.1163, 61.6973



48.0861, 77.6409, 23.0416



18.5884, 18.2187, 21.7159



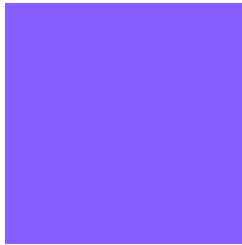
26.5621, 13.1141, 27.4081



2.6298, 1.2943, 2.8977

Previews

White Background



This preview shows how the XYZ color 31.8842, 20.2937, 96.8443 looks on a white background.

Color Contrast Check

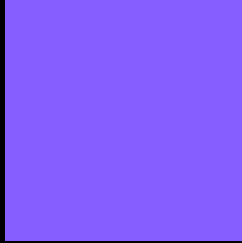
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8842, 20.2937, 96.8443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

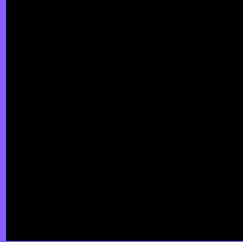
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8842, 20.2937, 96.8443

Background



This preview shows how black text looks on a background with the XYZ color 31.8842, 20.2937, 96.8443.



This preview shows how white text looks on a background with the XYZ color 31.8842, 20.2937,

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

31.8842, 20.2937, 96.8443

Protanopia

24.4461, 20.5248, 95.6017

Tritanopia

17.7861, 20.0981, 26.9866

Trichromacy



Original Color

31.8842, 20.2937, 96.8443



Protanomaly

24.8405, 19.1776, 96.1583



Tritanomaly

21.5253, 19.4044, 46.3270

Monochromacy



Original Color

31.8842, 20.2937, 96.8443



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.2536, 19.3780, 41.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8842, 20.2937, 96.8443 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(134, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 94, 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(134, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.8842, 20.2937, 96.8443 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(134, 94, 255) }
```

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

```
.border{ border-color:rgb(134, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 94,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 31.8842, 20.2937, 96.8443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 94, 255) }
```

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

```
.background{ background-color: rgb(134, 94,  
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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