

Converting Colors

XYZ(33.4279, 19.2873,
111.3062)

Have a look what the booklet for
XYZ(33.4279, 19.2873, 111.3062)
contains.

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Color

**XYZ(30.5830, 18.1601,
96.5011)**

Conversions

Conversions Part 1

Format	Color
Hex	8452FF
RGB	132, 82, 255
RGB Percent	52%, 32%, 100%
CMY	0.4823, 0.6784, 0.0000
CMYK	0.48, 0.68, 0.00, 0.00
HSL	257°, 100%, 66%
HSV	257°, 68%, 100%
XYZ	30.5830, 18.1601, 96.5011
YIQ	116.6720, -25.7330, 64.4030

Conversions

Conversions Part 2

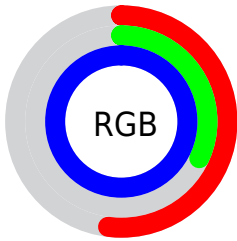
Format	Color
R _Y B	132, 82, 255
Decimal	8671999
CIE Lab	49.69, 59.48, -78.85
CIE LCh	50, 98.770, 307.027
Yxy	18.1601, 0.2106, 0.1250
Android (android.graphics.Color)	4286862079 (0xFF8452FF)
YUV	116.6720, 68.1957, 13.4427
Hunter-Lab	42.6147, 53.5273, -104.4322

Details

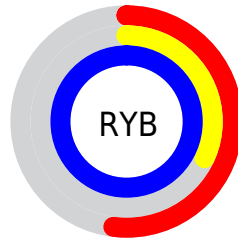
The XYZ color **30.5830, 18.1601, 96.5011** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **62.4583, 85.1076, 21.1182**, and the grayscale version is **16.6100, 17.4750, 19.0302**.

A 20% lighter version of the original color is **48.7063, 35.8854, 98.9672**, and **12.8321, 6.1032, 53.3250** is the 20% darker color. If you saturate the color by 10%, you get **26.4119, 13.6662, 95.8535**, and if you desaturate by 10%, it is **35.9625, 24.3368, 97.4098**.

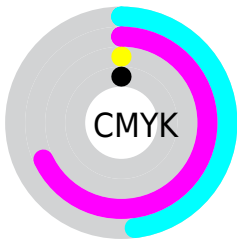
Distribution



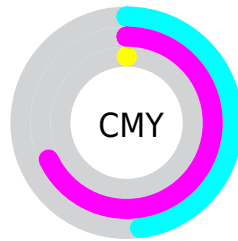
- Red (52%)
- Green (32%)
- Blue (100%)



- Red (52%)
- Yellow (32%)
- Blue (100%)



- Cyan (48%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5830, 18.1601, 96.5011 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 30.5830, 18.1601, 96.5011 by changing the saturation by 10% instead.

30.5830, 18.1601,
96.5011

30.5830, 18.1601,
96.5011

296.4739,
241.7719, 570.0661

20.4318, 11.0650,
72.7812

59.9633, 40.3099,
158.3502

12.8194, 6.1106,
53.3063

79.9230, 56.1335,
197.3164

7.3804, 2.9124,
37.6580

103.8830, 75.6353,
242.2019

3.7496, 1.0862,
25.4176

132.2086, 99.1997,
293.4251

1.5615, 0.0000,
16.1666

165.2651,
127.2112, 351.4046

0.3671, 0.0000,
9.4865

203.4179,

0.0000, 0.0000,

160.0541, 416.5589

4.9587

247.0324,
198.1129, 489.3066

■ 0.0000, 0.0000,
2.1647

■ 0.0000, 0.0000,
0.6539

■ 30.5830, 18.1601,
96.5011

■ 30.5830, 18.1601,
96.5011

■ 26.4119, 13.6662,
95.8535

■ 35.9625, 24.3368,
97.4098

■ 23.3373, 10.6731,
95.4378

■ 42.6423, 32.3489,
98.6042

■ 21.2204, 8.9430,
95.2155

■ 50.7077, 42.3331,
100.1063

■ 20.8516, 8.6643,
95.1811

■ 60.2358, 54.4124,
101.9356

■ 71.2976, 68.6994,
104.1103

■ 83.9593, 85.2990,
106.6470

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.



19.5660, 18.1601, 128.3765



30.5830, 18.1601, 96.5011



39.8041, 18.1601, 47.6164

Triad

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



30.5830, 18.1601, 96.5011



25.3142, 18.1601, 0.0000



4.8236, 18.1601, 26.8009

Complementary

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



30.5830, 18.1601, 96.5011



62.4583, 85.1076, 21.1182

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.



5.3994, 18.1601, 5.6751



30.5830, 18.1601, 96.5011



15.1439, 18.1601, 0.0000

Square

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



30.5830, 18.1601, 96.5011



36.0704, 18.1601, 2.1170



8.5081, 18.1601, 0.4767



6.4831, 18.1601, 70.1490

Rectangle

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



30.5830, 18.1601, 96.5011



42.3133, 18.1601, 22.5798



8.5081, 18.1601, 0.4767



4.7761, 18.1601, 17.2095

Sweetspot

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



30.5839, 18.1606, 96.5011



68.7786, 65.4257, 103.6112



43.5970, 53.1484, 102.5686



14.0425, 13.1249, 22.0432



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.



30.5839, 18.1606, 96.5011



25.3284, 12.5687, 95.6988



49.8364, 28.0856, 97.4021



17.4962, 17.6320, 22.7311



11.0225, 4.5928, 49.7401



1.1758, 0.5001, 4.8478

Inverse Universe

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



55.2761, 31.7021, 60.9599



52.1994, 27.3645, 54.3366



44.9573, 76.0854, 20.2991



18.5557, 18.2056, 21.5434



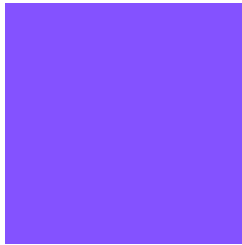
25.9905, 12.8855, 24.3984



2.5780, 1.2736, 2.6253

Previews

White Background



This preview shows how the XYZ color 30.5830, 18.1601, 96.5011 looks on a white background.

Color Contrast Check

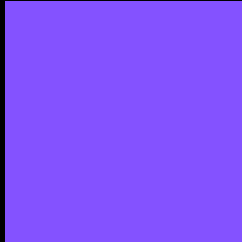
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.5830, 18.1601, 96.5011 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 30.5830, 18.1601, 96.5011

Background



This preview shows how black text looks on a background with the XYZ color 30.5830, 18.1601, 96.5011.



This preview shows how white text looks on a background with the XYZ color 30.5830, 18.1601,

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

30.5830, 18.1601, 96.5011

Protanopia

21.7455, 18.3259, 84.8292

Deuteranopia

18.2225, 18.2288, 62.2326



Tritanopia

15.9711, 17.9101, 24.0880

Trichromacy



Original Color

30.5830, 18.1601, 96.5011



Protanomaly

22.4517, 16.7237, 88.4309



Deuteranomaly

20.0672, 16.5800, 73.3768



Tritanomaly

19.5246, 16.9650, 43.3198

Monochromacy



Original Color

30.5830, 18.1601, 96.5011



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

19.9514, 16.8282, 38.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5830, 18.1601, 96.5011 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(132, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 82, 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(132, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.5830, 18.1601, 96.5011 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(132, 82, 255) }
```


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

```
.border{ border-color:rgb(132, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 82, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 82, 255); box-shadow:4px 4px 4px 4px rgb(132, 82, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5830, 18.1601, 96.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 82, 255) }
```

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

```
.background{ background-color: rgb(132, 82,  
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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