

Converting Colors

XYZ(30.3518, 18.3841, 96.5565)

Have a look what the booklet for
XYZ(30.3518, 18.3841, 96.5565)
contains.

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Color

**XYZ(30.3518, 18.3841,
96.5565)**

Conversions

Conversions Part 1

Format	Color
Hex	8155FF
RGB	129, 85, 255
RGB Percent	51%, 33%, 100%
CMY	0.4941, 0.6667, 0.0000
CMYK	0.49, 0.67, 0.00, 0.00
HSL	256°, 100%, 67%
HSV	256°, 67%, 100%
XYZ	30.3518, 18.3841, 96.5565
YIQ	117.5360, -28.3460, 62.1980

Conversions

Conversions Part 2

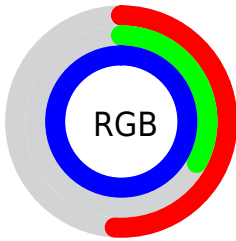
Format	Color
R _Y B	129, 85, 255
Decimal	8476159
CIE Lab	49.96, 57.45, -78.43
CIE LCh	50, 97.219, 306.225
Yxy	18.3841, 0.2089, 0.1265
Android (android.graphics.Color)	4286666239 (0xFF8155FF)
YUV	117.5360, 67.7698, 10.0539
Hunter-Lab	42.8767, 51.3234, -103.5049

Details

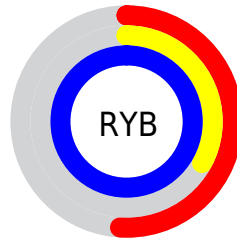
The XYZ color **30.3518, 18.3841, 96.5565** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.2618, 86.0238, 21.8116**, and the grayscale version is **16.8779, 17.7569, 19.3372**.

A 20% lighter version of the original color is **48.2309, 36.0585, 99.0257**, and **12.7000, 6.2320, 53.3569** is the 20% darker color. If you saturate the color by 10%, you get **26.0835, 13.7214, 95.8815**, and if you desaturate by 10%, it is **35.8756, 24.7671, 97.4974**.

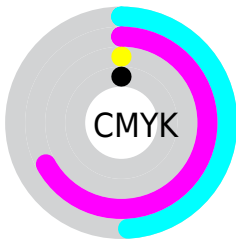
Distribution



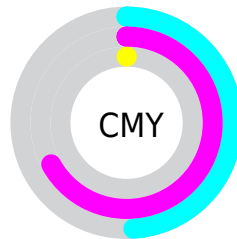
- Red (51%)
- Green (33%)
- Blue (100%)



- Red (51%)
- Yellow (33%)
- Blue (100%)



- Cyan (49%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3518, 18.3841, 96.5565 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 30.3518, 18.3841, 96.5565 by changing the saturation by 10% instead.

30.3518, 18.3841,
96.5565

30.3518, 18.3841,
96.5565

295.4213,
243.0272, 570.2472

20.2552, 11.2261,
72.8271

59.6009, 40.6907,
158.4273

12.6900, 6.2191,
53.3436

79.4841, 56.6082,
197.4057

7.2910, 2.9788,
37.6876

103.3602, 76.2142,
242.3042

3.6927, 1.1207,
25.4403

131.5945, 99.8932,
293.5414

1.5298, 0.0000,
16.1834

164.5524,
128.0297, 351.5357

0.3460, 0.0000,
9.4983

202.5993,

0.0000, 0.0000,

161.0079, 416.7058

4.9664

246.1005,
199.2122, 489.4701

■ 0.0000, 0.0000,
2.1691

■ 0.0000, 0.0000,
0.6565

■ 30.3518, 18.3841,
96.5565

■ 30.3518, 18.3841,
96.5565

■ 26.0835, 13.7214,
95.8815

■ 35.8756, 24.7671,
97.4974

■ 22.9570, 10.5988,
95.4435

■ 42.7492, 33.0225,
98.7286

■ 20.8379, 8.7941,
95.2069

■ 51.0601, 43.2868,
100.2718

■ 20.2974, 8.3786,
95.1552

■ 60.8876, 55.6832,
102.1466

■ 72.3048, 70.3250,
104.3710

■ 85.3801, 87.3172,
106.9616

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.



19.4904, 18.3841, 126.7095



30.3518, 18.3841, 96.5565



39.5468, 18.3841, 48.6652

Triad

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



30.3518, 18.3841, 96.5565



25.7420, 18.3841, 0.0000



5.0250, 18.3841, 26.1163

Complementary

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



30.3518, 18.3841, 96.5565



64.2618, 86.0238, 21.8116

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.



5.6672, 18.3841, 5.6344



30.3518, 18.3841, 96.5565



15.6009, 18.3841, 0.0000

Square

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



30.3518, 18.3841, 96.5565



36.2897, 18.3841, 2.4248



8.8767, 18.3841, 0.5390



6.6353, 18.3841, 68.2641

Rectangle

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



30.3518, 18.3841, 96.5565



42.1574, 18.3841, 23.5904



8.8767, 18.3841, 0.5390



4.9959, 18.3841, 16.8243

Sweetspot

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



30.3527, 18.3846, 96.5566



68.3182, 65.1884, 103.5896



45.4650, 56.4886, 103.1149



13.9336, 13.0687, 22.0381



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.



30.3527, 18.3846, 96.5566



24.9204, 12.5192, 95.7107



48.5942, 27.7884, 97.4102



17.4438, 17.6050, 22.7287



10.7227, 4.4383, 49.7261



1.1407, 0.4820, 4.8462

Inverse Universe

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



56.2455, 32.4598, 64.9247



53.1073, 27.9010, 58.5829



46.2267, 76.7264, 20.9676



18.5800, 18.2153, 21.6716



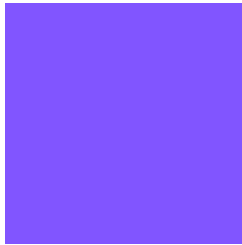
26.4120, 13.0541, 26.6177



2.6162, 1.2889, 2.8265

Previews

White Background



This preview shows how the XYZ color 30.3518, 18.3841, 96.5565 looks on a white background.

Color Contrast Check

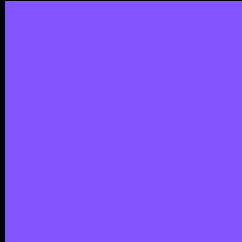
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3518, 18.3841, 96.5565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

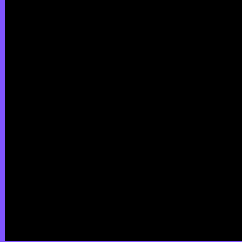
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3518, 18.3841, 96.5565

Background



This preview shows how black text looks on a background with the XYZ color 30.3518, 18.3841, 96.5565.



This preview shows how white text looks on a background with the XYZ color 30.3518, 18.3841,

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

30.3518, 18.3841, 96.5565

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.3460, 18.2782, 62.8827



Tritanopia

15.9327, 18.2391, 24.8710

Trichromacy



Original Color

30.3518, 18.3841, 96.5565



Protanomaly

22.8110, 17.0202, 90.0786



Deuteranomaly

20.2623, 16.8204, 74.1302



Tritanomaly

19.4679, 17.2374, 43.8961

Monochromacy



Original Color

30.3518, 18.3841, 96.5565



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.2480, 17.2728, 39.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3518, 18.3841, 96.5565 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(129, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 85, 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(129, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.3518, 18.3841, 96.5565 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(129, 85, 255) }
```


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

```
.border{ border-color:rgb(129, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 85, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 85, 255); box-shadow:4px 4px 4px 4px rgb(129, 85, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3518, 18.3841, 96.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 85, 255) }
```

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

```
.background{ background-color: rgb(129, 85,  
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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