

Converting Colors

XYZ(31.0440, 19.3501, 85.3178)

Have a look what the booklet for XYZ(31.0440, 19.3501, 85.3178) contains.

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Color

**XYZ(31.0440, 19.3501,
85.3178)**

Conversions

Conversions Part 1

Format	Color
Hex	9158F1
RGB	145, 88, 241
RGB Percent	57%, 35%, 95%
CMY	0.4314, 0.6549, 0.0549
CMYK	0.40, 0.63, 0.00, 0.05
HSL	262°, 85%, 65%
HSV	262°, 63%, 95%
XYZ	31.0440, 19.3501, 85.3178
YIQ	122.4850, -15.1410, 59.6670

Conversions

Conversions Part 2

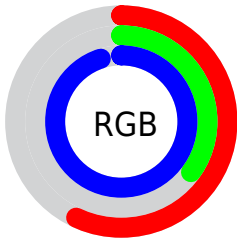
Format	Color
R _Y B	145, 88, 241
Decimal	9525489
CIE _{Lab}	51.09, 55.14, -68.70
CIE _{LCh}	51, 88.093, 308.748
Yxy	19.3501, 0.2287, 0.1426
Android (android.graphics.Color)	4287715569 (0xFF9158F1)
YUV	122.4850, 58.4279, 19.7457
Hunter-Lab	43.9887, 48.9918, -84.2030

Details

The XYZ color **31.0440, 19.3501, 85.3178** 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 **52.9835, 73.8055, 20.6862**, and the grayscale version is **18.4763, 19.4385, 21.1686**.

A 20% lighter version of the original color is **52.4767, 39.1071, 99.3903**, and **13.1204, 6.7009, 45.9493** is the 20% darker color. If you saturate the color by 10%, you get **26.8931, 14.7432, 84.6478**, and if you desaturate by 10%, it is **36.2049, 25.4482, 86.2233**.

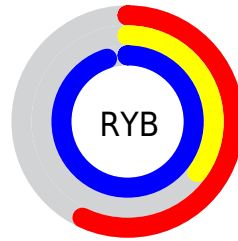
Distribution



Red (57%)

Green (35%)

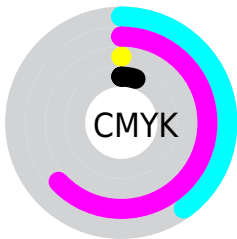
Blue (95%)



Red (57%)

Yellow (35%)

Blue (95%)

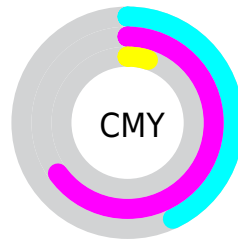


Cyan (40%)

Magenta (63%)

Yellow (0%)

Black (5%)



Cyan (43%)

Magenta (65%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0440, 19.3501, 85.3178 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 31.0440, 19.3501, 85.3178 by changing the saturation by 10% instead.

■ 31.0440, 19.3501,
85.3178

■ 31.0440, 19.3501,
85.3178

298.5642,
248.3748, 532.8511

■ 20.7843, 11.9235,
63.5523

■ 60.6847, 42.3249,
142.6952

■ 13.0780, 6.6916,
45.8443

■ 80.7965, 58.6418,
179.1442

■ 7.5597, 3.2700,
31.7752

■ 104.9230, 78.6910,
221.3249

■ 3.8639, 1.2743,
20.9265

■ 133.4296,
102.8569, 269.6557

■ 1.6254, 0.1211,
12.8795

166.6817,
131.5238, 324.5551

■ 0.4089, 0.0000,
7.2159

205.0446,

■ 0.0000, 0.0000,

165.0762, 386.4418

3.5170

248.8836,
203.8983, 455.7343

■ 0.0000, 0.0000,
1.3643

■ 0.0000, 0.0000,
0.1136

■ 31.0440, 19.3501,
85.3178

■ 31.0440, 19.3501,
85.3178

■ 26.8931, 14.7432,
84.6478

■ 36.2049, 25.4482,
86.2233

■ 23.6684, 11.4839,
84.1886

■ 42.4444, 33.1586,
87.3827

■ 21.2741, 9.4016,
83.9129

■ 49.8276, 42.5918,
88.8143

■ 20.0733, 8.5140,
83.8049

■ 58.4132, 53.8478,
90.5344

68.2558, 67.0187,
92.5579

79.4063, 82.1903,
94.8986

91.3676, 98.3527,
97.3878

92.8773, 99.1309,
97.4585

Harmonies

Analogous

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



21.0681, 19.3501, 113.4328



31.0440, 19.3501, 85.3178



38.9232, 19.3501, 43.7749

Triad

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



31.0440, 19.3501, 85.3178



25.1811, 19.3501, 0.4189



6.2796, 19.3501, 29.2701

Complementary

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



31.0440, 19.3501, 85.3178



52.9835, 73.8055, 20.6862

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.



6.7539, 19.3501, 7.9948



31.0440, 19.3501, 85.3178



15.9522, 19.3501, 0.0717

Square

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



31.0440, 19.3501, 85.3178



34.8600, 19.3501, 3.0204



9.7505, 19.3501, 1.4109



8.1513, 19.3501, 67.8362

Rectangle

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



31.0440, 19.3501, 85.3178



40.8310, 19.3501, 22.1383



9.7505, 19.3501, 1.4109



6.1865, 19.3501, 20.0346

Sweetspot

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



31.0449, 19.3507, 85.3183



71.1810, 67.5714, 103.8987



37.2301, 43.0821, 89.5729



14.5666, 13.5711, 22.1017



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.



31.0449, 19.3507, 85.3183



29.4662, 15.5984, 96.0655



49.0644, 28.6401, 86.1616



15.4536, 15.5155, 19.9019



11.0220, 4.6875, 45.4517



1.0234, 0.4449, 3.7861

Inverse Universe

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



48.4171, 29.1411, 48.4190



51.4454, 28.0293, 47.3871



39.4502, 66.8289, 20.0529



16.1900, 15.9257, 18.5566



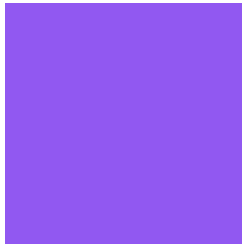
22.7773, 11.3833, 17.2756



1.9428, 0.9662, 1.6897

Previews

White Background



This preview shows how the XYZ color 31.0440, 19.3501, 85.3178 looks on a white background.

Color Contrast Check

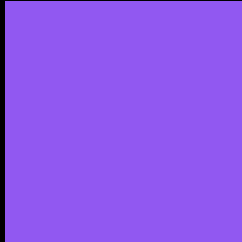
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0440, 19.3501, 85.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

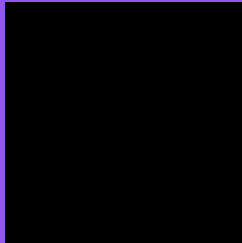
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0440, 19.3501, 85.3178

Background



This preview shows how black text looks on a background with the XYZ color 31.0440, 19.3501, 85.3178.



This preview shows how white text looks on a background with the XYZ color 31.0440, 19.3501,

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

31.0440, 19.3501, 85.3178

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.7320, 19.4251, 68.3551



Tritanopia

18.6124, 19.2795, 23.8594

Trichromacy



Original Color

31.0440, 19.3501, 85.3178



Protanomaly

23.2568, 17.7188, 89.3831



Deuteranomaly

20.8801, 17.6167, 74.2514



Tritanomaly

21.7776, 18.5067, 40.4546

Monochromacy



Original Color

31.0440, 19.3501, 85.3178



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.5734, 18.6143, 38.0532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0440, 19.3501, 85.3178 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(145, 88, 241)` looks like.

```
.text, #text, p{  
    color:rgb(145, 88, 241)  
}
```

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(145, 88, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 88, 241) }
```

Border

The CSS property to change the border of an element to XYZ 31.0440, 19.3501, 85.3178 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(145, 88, 241) }
```


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

```
.border{ border-color:rgb(145, 88, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 88, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 88, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 88, 241);  
box-shadow:4px 4px 4px 4px rgb(145, 88,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0440, 19.3501, 85.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 88, 241) }
```

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

```
.background{ background-color: rgb(145, 88,  
241) }
```

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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