

Converting Colors

XYZ(30.1905, 19.8572, 68.8087)

Have a look what the booklet for
XYZ(30.1905, 19.8572, 68.8087)
contains.

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Color

**XYZ(30.0868, 19.8592,
68.5771)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5DDA
RGB	155, 93, 218
RGB Percent	61%, 36%, 85%
CMY	0.3921, 0.6353, 0.1451
CMYK	0.29, 0.57, 0.00, 0.15
HSL	270°, 63%, 61%
HSV	270°, 57%, 85%
XYZ	30.0868, 19.8592, 68.5771
YIQ	125.7880, -3.1730, 52.0190

Conversions

Conversions Part 2

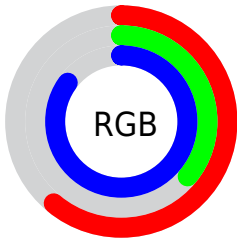
Format	Color
RYB	155, 93, 218
Decimal	10182106
CIELab	51.68, 49.05, -54.75
CIElCh	52, 73.507, 311.854
Yxy	19.8592, 0.2538, 0.1676
Android (android.graphics.Color)	4288372186 (0xFF9B5DDA)
YUV	125.7880, 45.4605, 25.6189
Hunter-Lab	44.5637, 42.5264, -60.0443

Details

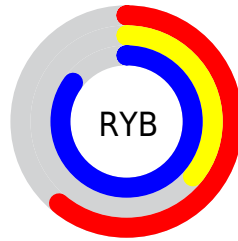
The XYZ color **30.0868, 19.8592, 68.5771** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **40.7577, 58.0013, 19.4037**, and the grayscale version is **19.6115, 20.6328, 22.4691**.

A 20% lighter version of the original color is **55.4803, 41.7748, 99.7470**, and **12.4951, 6.9172, 34.8590** is the 20% darker color. If you saturate the color by 10%, you get **26.4255, 15.5250, 67.9339**, and if you desaturate by 10%, it is **34.4869, 25.3843, 69.4120**.

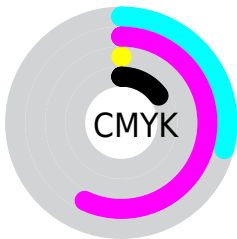
Distribution



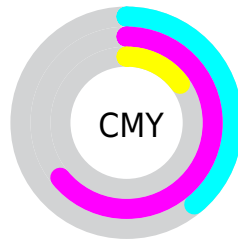
- Red (61%)
- Green (36%)
- Blue (85%)



- Red (61%)
- Yellow (36%)
- Blue (85%)



- Cyan (29%)
- Magenta (57%)
- Yellow (0%)
- Black (15%)





- Cyan (39%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0868, 19.8592, 68.5771 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 30.0868, 19.8592, 68.5771 by changing the saturation by 10% instead.


 30.0868, 19.8592,
68.5771


 30.0868, 19.8592,
68.5771


294.2114,
251.1519, 474.1915

 20.0529, 12.2927,
49.8978


 59.1851, 43.1810,
118.8394


 12.5420, 6.9434,
34.9616


 78.9802, 59.7051,
151.2593

 7.1887, 3.4267,
23.3499


 102.7597, 79.9839,
189.0966

 3.6278, 1.3584,
14.6444

 130.8891,
104.4018, 232.7698

 1.4938, 0.1857,
8.4264

163.7335,
133.3431, 282.6973

 0.3216, 0.0000,
4.2773

201.6585,

 0.0000, 0.0000,

167.1923, 339.2977

1.7787

245.0294,
206.3338, 402.9896

■ 0.0000, 0.0000,
0.4138

■ 0.0000, 0.0000,
0.0000

■ 30.0868, 19.8592,
68.5771

■ 30.0868, 19.8592,
68.5771

■ 26.4255, 15.5250,
67.9339

■ 34.4869, 25.3843,
69.4120

■ 23.4476, 12.2813,
67.4647

■ 39.6704, 32.1849,
70.4515

■ 21.0928, 10.0144,
67.1513

■ 45.6807, 40.3400,
71.7088

■ 19.2804, 8.5710,
66.9682

■ 52.5573, 49.9217,
73.1958

18.8552, 8.2583,
66.9302

60.3367, 60.9967,
74.9235

69.0535, 73.6276,
76.9020

78.7400, 87.8731,
79.1412

85.3421, 95.6186,
80.2882

89.2461, 97.6312,
80.4709

Harmonies

Analogous

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



21.9611, 19.8592, 91.3406



30.0868, 19.8592, 68.5771



35.9407, 19.8592, 37.0101

Triad

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



30.0868, 19.8592, 68.5771



23.6772, 19.8592, 1.3982



8.0717, 19.8592, 31.1512

Complementary

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



30.0868, 19.8592, 68.5771



40.7577, 58.0013, 19.4037

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.



8.3039, 19.8592, 11.2301



30.0868, 19.8592, 68.5771



16.0935, 19.8592, 1.2194

Square

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



30.0868, 19.8592, 68.5771



31.6232, 19.8592, 4.2118



10.8658, 19.8592, 3.2335



10.1175, 19.8592, 61.9569

Rectangle

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



30.0868, 19.8592, 68.5771



37.0302, 19.8592, 20.3277



10.8658, 19.8592, 3.2335



7.9044, 19.8592, 22.9728

Sweetspot

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



30.0876, 19.8599, 68.5776



75.1600, 71.4814, 104.4437



29.3255, 31.7015, 70.9034



15.6389, 14.6692, 22.2571



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.



30.0876, 19.8599, 68.5776



36.6434, 20.9612, 96.7223



44.8640, 27.4774, 69.2691



12.9508, 12.9328, 16.4658



11.4201, 5.0115, 40.1038



0.8392, 0.3759, 2.6028

Inverse Universe

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



38.8289, 25.1349, 34.2574



51.0820, 29.6762, 39.9482



31.7756, 53.3709, 18.9833



13.3284, 13.1605, 14.9908



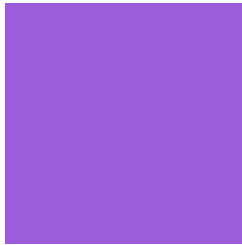
19.0585, 9.6244, 9.9541



1.2782, 0.6409, 0.8740

Previews

White Background



This preview shows how the XYZ color 30.0868, 19.8592, 68.5771 looks on a white background.

Color Contrast Check

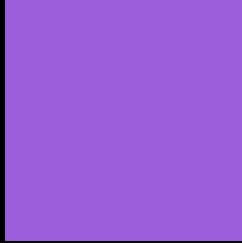
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0868, 19.8592, 68.5771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

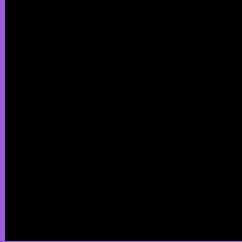
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0868, 19.8592, 68.5771

Background



This preview shows how black text looks on a background with the XYZ color 30.0868, 19.8592, 68.5771.

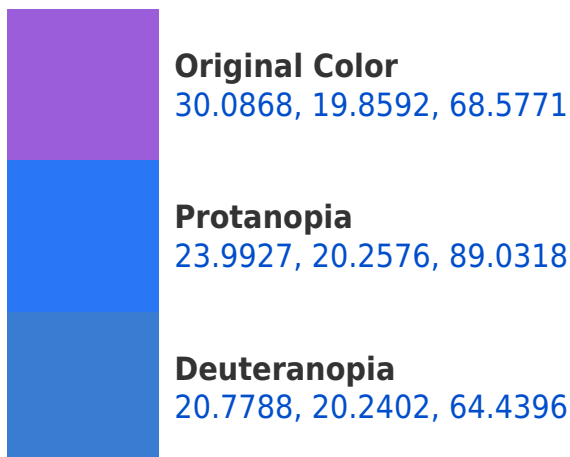


This preview shows how white text looks on a background with the XYZ color 30.0868, 19.8592,

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





Tritanopia

20.7904, 19.8924, 22.8225

Trichromacy



Original Color

30.0868, 19.8592, 68.5771



Protanomaly

24.0510, 18.9439, 80.9862



Deuteranomaly

22.5569, 18.9925, 66.0954



Tritanomaly

23.3154, 19.4046, 35.7743

Monochromacy



Original Color

30.0868, 19.8592, 68.5771



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

22.5918, 19.8562, 35.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0868, 19.8592, 68.5771 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(155, 93, 218)` looks like.

```
.text, #text, p{  
    color:rgb(155, 93, 218)  
}
```

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(155, 93, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 93, 218) }
```

Border

The CSS property to change the border of an element to XYZ 30.0868, 19.8592, 68.5771 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(155, 93, 218) }
```


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

```
.border{ border-color:rgb(155, 93, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 93, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 93, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 93, 218);  
box-shadow:4px 4px 4px 4px rgb(155, 93,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0868, 19.8592, 68.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 93, 218) }
```

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

```
.background{ background-color: rgb(155, 93,  
218) }
```

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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