

Converting Colors

XYZ(30.1196, 19.0162, 69.5797)

Have a look what the booklet for
XYZ(30.1196, 19.0162, 69.5797)
contains.

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Color

**XYZ(30.1507, 18.9910,
69.7867)**

Conversions

Conversions Part 1

Format	Color
Hex	9D56DC
RGB	157, 86, 220
RGB Percent	62%, 34%, 86%
CMY	0.3843, 0.6627, 0.1373
CMYK	0.29, 0.61, 0.00, 0.14
HSL	272°, 66%, 60%
HSV	272°, 61%, 86%
XYZ	30.1507, 18.9910, 69.7867
YIQ	122.5050, -0.6980, 56.7260

Conversions

Conversions Part 2

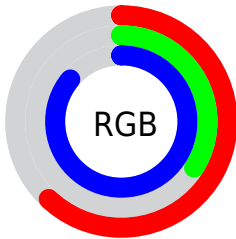
Format	Color
RYB	157, 86, 220
Decimal	10311388
CIELab	50.68, 53.60, -57.48
CIELCh	51, 78.594, 313.001
Yxy	18.9910, 0.2535, 0.1597
Android (android.graphics.Color)	4288501468 (0xFF9D56DC)
YUV	122.5050, 48.0650, 30.2521
Hunter-Lab	43.5787, 47.2358, -64.4417

Details

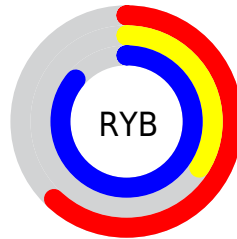
The XYZ color **30.1507, 18.9910, 69.7867** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **39.6676, 58.2482, 17.9570**, and the grayscale version is **18.5123, 19.4763, 21.2097**.

A 20% lighter version of the original color is **55.3070, 40.1323, 99.4391**, and **12.6115, 6.5348, 35.7186** is the 20% darker color. If you saturate the color by 10%, you get **26.7236, 15.0060, 69.1985**, and if you desaturate by 10%, it is **34.2907, 24.1462, 70.5639**.

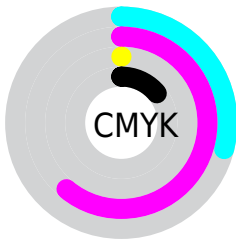
Distribution



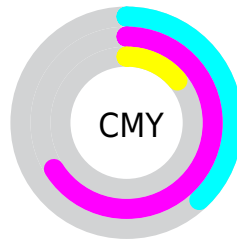
- Red (62%)
- Green (34%)
- Blue (86%)



- Red (62%)
- Yellow (34%)
- Blue (86%)



- Cyan (29%)
- Magenta (61%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (66%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1507, 18.9910, 69.7867 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 30.1507, 18.9910, 69.7867 by changing the saturation by 10% instead.

■ 30.1507, 18.9910,
69.7867

■ 30.1507, 18.9910,
69.7867

294.5035,
246.3991, 478.5696

■ 20.1016, 11.6638,
50.8769

■ 59.2854, 41.7189,
120.5828

■ 12.5776, 6.5152,
35.7346

■ 79.1018, 57.8883,
153.3062

■ 7.2133, 3.1608,
23.9412

■ 102.9046, 77.7740,
191.4712

■ 3.6434, 1.2162,
15.0782

■ 131.0593,
101.7602, 235.4964

■ 1.5024, 0.0749,
8.7271

■ 163.9312,
130.2315, 285.8003

■ 0.3275, 0.0000,
4.4692

201.8856,

■ 0.0000, 0.0000,

163.5721, 342.8014

1.8861

245.2879,
202.1665, 406.9183

■ 0.0000, 0.0000,
0.4839

■ 0.0000, 0.0000,
0.0000

■ 30.1507, 18.9910,
69.7867

■ 30.1507, 18.9910,
69.7867

■ 26.7236, 15.0060,
69.1985

■ 34.2907, 24.1462,
70.5639

■ 23.9513, 12.0842,
68.7807

■ 39.1902, 30.5615,
71.5440

■ 21.7688, 10.1014,
68.5130

■ 44.8940, 38.3201,
72.7409

■ 20.1968, 8.9195,
68.3677

■ 51.4427, 47.4973,
74.1671

■ 58.8738, 58.1627,
75.8341

■ 67.2224, 70.3812,
77.7525

■ 76.5216, 84.2138,
79.9323

■ 84.5279, 95.1684,
81.6248

■ 88.1352, 97.0281,
81.7936

Harmonies

Analogous

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



21.5910, 18.9910, 95.6402



30.1507, 18.9910, 69.7867



36.2382, 18.9910, 35.7199

Triad

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



30.1507, 18.9910, 69.7867



22.7350, 18.9910, 0.8539



7.1247, 18.9910, 31.7618

Complementary

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



30.1507, 18.9910, 69.7867



39.6676, 58.2482, 17.9570

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.



7.2695, 18.9910, 10.5923



30.1507, 18.9910, 69.7867



14.9196, 18.9910, 0.7547

Square

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



30.1507, 18.9910, 69.7867



31.1907, 18.9910, 3.1440



9.7173, 18.9910, 2.5849



9.2419, 18.9910, 65.1851

Rectangle

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



30.1507, 18.9910, 69.7867



37.2446, 18.9910, 18.5360



9.7173, 18.9910, 2.5849



6.9331, 18.9910, 22.9789

Sweetspot

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



30.1515, 18.9917, 69.7871



74.6168, 70.2645, 104.2374



27.7857, 29.2046, 71.8831



15.3482, 14.1530, 22.1728



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.



30.1515, 18.9917, 69.7871



36.2076, 19.7261, 96.5069



45.4678, 26.9215, 68.9701



12.9940, 12.9551, 16.4679



11.9831, 5.3017, 40.1301



0.8755, 0.3946, 2.6045

Inverse Universe

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



38.2682, 24.0416, 31.0574



49.3907, 27.9105, 34.3994



31.2026, 53.8737, 18.0379



13.3096, 13.1529, 14.8914



18.8270, 9.5319, 8.7351



1.2630, 0.6348, 0.7939

Previews

White Background



This preview shows how the XYZ color 30.1507, 18.9910, 69.7867 looks on a white background.

Color Contrast Check

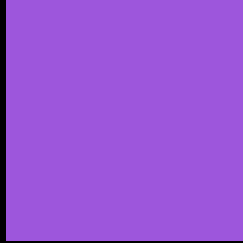
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1507, 18.9910, 69.7867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

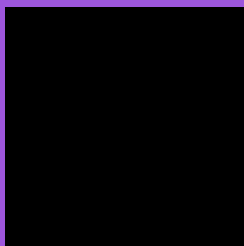
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1507, 18.9910, 69.7867

Background



This preview shows how black text looks on a background with the XYZ color 30.1507, 18.9910, 69.7867.



This preview shows how white text looks on a background with the XYZ color 30.1507, 18.9910,

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

30.1507, 18.9910, 69.7867

Protanopia

23.1887, 19.2681, 91.3039

Deuteranopia

19.8842, 19.1946, 65.6077



Tritanopia

20.2399, 18.9537, 21.3306

Trichromacy



Original Color

30.1507, 18.9910, 69.7867



Protanomaly

22.1715, 17.1461, 83.0299



Deuteranomaly

21.4306, 17.7341, 67.2593



Tritanomaly

22.9759, 18.4802, 34.7038

Monochromacy



Original Color

30.1507, 18.9910, 69.7867



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.7392, 18.7714, 34.8252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1507, 18.9910, 69.7867 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(157, 86, 220)` looks like.

```
.text, #text, p{  
    color:rgb(157, 86, 220)  
}
```

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(157, 86, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 86, 220) }
```

Border

The CSS property to change the border of an element to XYZ 30.1507, 18.9910, 69.7867 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(157, 86, 220) }
```


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

```
.border{ border-color:rgb(157, 86, 220) }
```

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

Here you see how a box with a 4 pixel rgb(157, 86, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 86, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 86, 220);  
box-shadow:4px 4px 4px 4px rgb(157, 86,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1507, 18.9910, 69.7867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 86, 220) }
```

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

```
.background{ background-color: rgb(157, 86,  
220) }
```

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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