

Converting Colors

XYZ(30.2958, 18.7543, 71.3837)

Have a look what the booklet for
XYZ(30.2958, 18.7543, 71.3837)
contains.

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Color

**XYZ(30.2598, 18.7827,
71.1378)**

Conversions

Conversions Part 1

Format	Color
Hex	9D54DE
RGB	157, 84, 222
RGB Percent	62%, 33%, 87%
CMY	0.3843, 0.6706, 0.1294
CMYK	0.29, 0.62, 0.00, 0.13
HSL	272°, 68%, 60%
HSV	272°, 62%, 87%
XYZ	30.2598, 18.7827, 71.1378
YIQ	121.5590, -0.7900, 58.3940

Conversions

Conversions Part 2

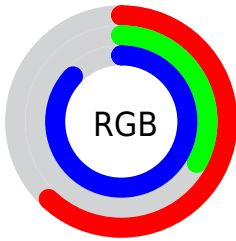
Format	Color
RYB	157, 84, 222
Decimal	10310878
CIELab	50.43, 55.07, -59.01
CIElCh	50, 80.710, 313.022
Yxy	18.7827, 0.2518, 0.1563
Android (android.graphics.Color)	4288500958 (0xFF9D54DE)
YUV	121.5590, 49.5174, 31.0818
Hunter-Lab	43.3390, 48.7875, -66.9829

Details

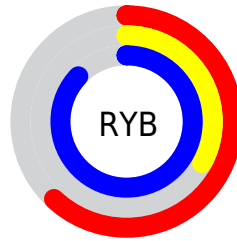
The XYZ color **30.2598, 18.7827, 71.1378** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **40.1161, 59.2725, 17.7144**, and the grayscale version is **18.2004, 19.1482, 20.8524**.

A 20% lighter version of the original color is **55.0200, 39.5584, 99.3434**, and **12.6027, 6.3910, 36.6457** is the 20% darker color. If you saturate the color by 10%, you get **26.8483, 14.8590, 70.5606**, and if you desaturate by 10%, it is **34.3934, 23.8894, 71.9060**.

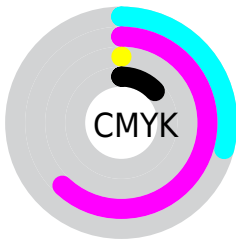
Distribution



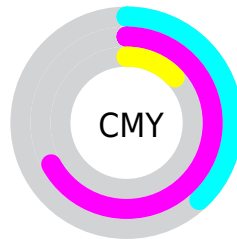
- Red (62%)
- Green (33%)
- Blue (87%)



- Red (62%)
- Yellow (33%)
- Blue (87%)



- Cyan (29%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)



- Cyan (38%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2598, 18.7827, 71.1378 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 30.2598, 18.7827, 71.1378 by changing the saturation by 10% instead.

30.2598, 18.7827,
71.1378

30.2598, 18.7827,
71.1378

295.0017,
245.2465, 483.4316

20.1849, 11.5134,
51.9721

59.4566, 41.3666,
122.5262

12.6386, 6.4133,
36.6008

79.3092, 57.4499,
155.5860

7.2554, 3.0980,
24.6052

103.1518, 77.2401,
194.1143

3.6701, 1.1831,
15.5668

131.3498,
101.1214, 238.5296

1.5172, 0.0478,
9.0671

164.2683,
129.4783, 289.2504

0.3375, 0.0000,
4.6876

202.2730,

0.0000, 0.0000,

162.6952, 346.6954

2.0096

245.7290,
201.1565, 411.2829

■ 0.0000, 0.0000,
0.5612

■ 0.0000, 0.0000,
0.0000

■ 30.2598, 18.7827,
71.1378

■ 30.2598, 18.7827,
71.1378

■ 26.8483, 14.8590,
70.5606

■ 34.3934, 23.8894,
71.9060

■ 24.0984, 12.0067,
70.1550

■ 39.2974, 30.2725,
72.8796

■ 21.9420, 10.0953,
69.8997

■ 45.0184, 38.0181,
74.0731

■ 20.5800, 9.0863,
69.7767

■ 51.5983, 47.2041,
75.4994

■ 59.0757, 57.9022,
77.1702

■ 67.4868, 70.1795,
79.0967

■ 76.8658, 84.0987,
81.2890

■ 85.1023, 95.4338,
83.0428

■ 88.7680, 97.3235,
83.2143

Harmonies

Analogous

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



21.4746, 18.7827, 98.1085



30.2598, 18.7827, 71.1378



36.5323, 18.7827, 35.8508

Triad

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



30.2598, 18.7827, 71.1378



22.6331, 18.7827, 0.6823



6.8140, 18.7827, 31.8218

Complementary

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



30.2598, 18.7827, 71.1378



40.1161, 59.2725, 17.7144

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.



6.9569, 18.7827, 10.2465



30.2598, 18.7827, 71.1378



14.6623, 18.7827, 0.5815

Square

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



30.2598, 18.7827, 71.1378



31.3192, 18.7827, 2.8627



9.4065, 18.7827, 2.3307



8.9340, 18.7827, 66.4033

Rectangle

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



30.2598, 18.7827, 71.1378



37.5685, 18.7827, 18.2552



9.4065, 18.7827, 2.3307



6.6226, 18.7827, 22.8165

Sweetspot

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



30.2606, 18.7834, 71.1382



73.5911, 68.8138, 104.0115



27.8599, 29.1961, 73.2746



15.1464, 13.8700, 22.1288



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.



30.2606, 18.7834, 71.1382



35.3699, 18.8495, 96.3819



46.1735, 27.0222, 70.2846



13.6408, 13.5983, 17.2935



12.3535, 5.4638, 41.4519



0.9594, 0.4319, 2.8780

Inverse Universe

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



38.7197, 24.0406, 31.0333



48.8778, 27.2261, 33.1763



31.4697, 54.8045, 17.7878



13.9746, 13.8075, 15.6365



19.4496, 9.8468, 9.0334



1.3931, 0.7005, 0.8630

Previews

White Background



This preview shows how the XYZ color 30.2598, 18.7827, 71.1378 looks on a white background.

Color Contrast Check

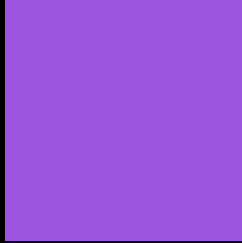
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2598, 18.7827, 71.1378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

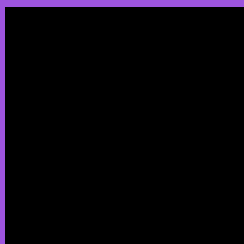
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2598, 18.7827, 71.1378

Background



This preview shows how black text looks on a background with the XYZ color 30.2598, 18.7827, 71.1378.



This preview shows how white text looks on a background with the XYZ color 30.2598, 18.7827,

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

30.2598, 18.7827, 71.1378

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.6326, 19.0501, 66.2606



Tritanopia

20.0654, 18.7044, 20.9651

Trichromacy



Original Color

30.2598, 18.7827, 71.1378



Protanomaly

21.9237, 16.8849, 82.2244



Deuteranomaly

20.8674, 17.2714, 67.8795



Tritanomaly

22.7770, 18.0824, 34.6375

Monochromacy



Original Color

30.2598, 18.7827, 71.1378



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.5258, 18.3446, 34.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2598, 18.7827, 71.1378 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, 84, 222)` looks like.

```
.text, #text, p{  
    color:rgb(157, 84, 222)  
}
```

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, 84, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 84, 222) }
```

Border

The CSS property to change the border of an element to XYZ 30.2598, 18.7827, 71.1378 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, 84, 222) }
```


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

```
.border{ border-color:rgb(157, 84, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 84, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 84, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 84, 222);  
box-shadow:4px 4px 4px 4px rgb(157, 84,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2598, 18.7827, 71.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 84, 222) }
```

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

```
.background{ background-color: rgb(157, 84,  
222) }
```

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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