

Converting Colors

XYZ(29.8982, 18.4699, 82.5368)

Have a look what the booklet for
XYZ(29.8982, 18.4699, 82.5368)
contains.

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Color

**XYZ(30.0088, 18.5097,
82.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	8F55EE
RGB	143, 85, 238
RGB Percent	56%, 33%, 93%
CMY	0.4392, 0.6667, 0.0667
CMYK	0.40, 0.64, 0.00, 0.07
HSL	263°, 82%, 63%
HSV	263°, 64%, 93%
XYZ	30.0088, 18.5097, 82.8800
YIQ	119.7840, -14.5450, 59.8790

Conversions

Conversions Part 2

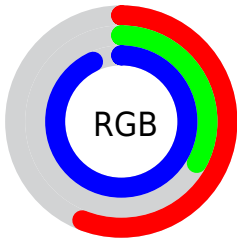
Format	Color
R _{YB}	143, 85, 238
Decimal	9393646
CIE Lab	50.11, 55.51, -68.63
CIE LCh	50, 88.273, 308.969
Yxy	18.5097, 0.2284, 0.1409
Android (android.graphics.Color)	4287583726 (0xFF8F55EE)
YUV	119.7840, 58.2805, 20.3604
Hunter-Lab	43.0229, 49.2150, -84.1012

Details

The XYZ color **30.0088, 18.5097, 82.8800** 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 **51.0363, 71.5083, 19.7072**, and the grayscale version is **17.6079, 18.5249, 20.1736**.

A 20% lighter version of the original color is **51.4956, 37.9535, 99.2194**, and **12.5405, 6.3087, 44.2728** is the 20% darker color. If you saturate the color by 10%, you get **26.0484, 14.1389, 82.2455**, and if you desaturate by 10%, it is **34.9378, 24.3150, 83.7412**.

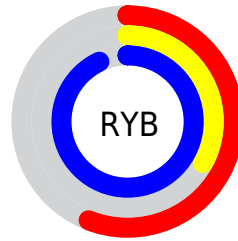
Distribution



Red (56%)

Green (33%)

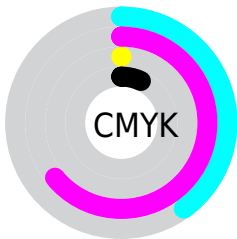
Blue (93%)



Red (56%)

Yellow (33%)

Blue (93%)

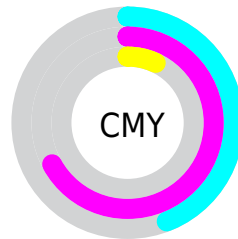


Cyan (40%)

Magenta (64%)

Yellow (0%)

Black (7%)



Cyan (44%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0088, 18.5097, 82.8800 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 30.0088, 18.5097, 82.8800 by changing the saturation by 10% instead.

 30.0088, 18.5097,
82.8800

 30.0088, 18.5097,
82.8800


293.8546,
243.7285, 524.5470

 19.9934, 11.3165,
61.5511


 59.0626, 40.9039,
139.2551


 12.4985, 6.2802,
44.2367

 78.8317, 56.8738,
175.1384


 7.1587, 3.0162,
30.5180


 102.5828, 76.5381,
216.7103

 3.6088, 1.1402,
19.9767

 130.6811,
100.2811, 264.3893

 1.4833, 0.0120,
12.1942

 163.4921,
128.4872, 318.5939

 0.3144, 0.0000,
6.7520

201.3811,

 0.0000, 0.0000,

161.5409, 379.7427

3.2314

244.7135,
199.8265, 448.2542

■ 0.0000, 0.0000,
1.2140

■ 0.0000, 0.0000,
0.0000

■ 30.0088, 18.5097,
82.8800

■ 30.0088, 18.5097,
82.8800

■ 26.0484, 14.1389,
82.2455

■ 34.9378, 24.3150,
83.7412

■ 22.9748, 11.0619,
81.8136

■ 40.9019, 31.6732,
84.8471

■ 20.6942, 9.1107,
81.5572

■ 47.9645, 40.6923,
86.2157

■ 19.6713, 8.3581,
81.4658

■ 56.1825, 51.4695,
87.8628

65.6088, 64.0946,
89.8028

76.2927, 78.6512,
92.0494

88.2807, 95.2175,
94.6152

92.4327, 98.9531,
95.1174

Harmonies

Analogous

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



20.2670, 18.5097, 110.8110



30.0088, 18.5097, 82.8800



37.6916, 18.5097, 42.0609

Triad

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



30.0088, 18.5097, 82.8800



24.1369, 18.5097, 0.2798



5.8807, 18.5097, 28.3711

Complementary

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



30.0088, 18.5097, 82.8800



51.0363, 71.5083, 19.7072

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.



6.3194, 18.5097, 7.5875



30.0088, 18.5097, 82.8800



15.1650, 18.5097, 0.0000

Square

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



30.0088, 18.5097, 82.8800



33.6121, 18.5097, 2.7200



9.1836, 18.5097, 1.2694



7.6970, 18.5097, 66.2740

Rectangle

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



30.0088, 18.5097, 82.8800



39.5262, 18.5097, 21.0080



9.1836, 18.5097, 1.2694



5.7862, 18.5097, 19.3233

Sweetspot

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



30.0097, 18.5103, 82.8805



71.2796, 67.6222, 103.9033



35.8868, 41.5197, 87.0120



14.5902, 13.5833, 22.1028



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.



30.0097, 18.5103, 82.8805



29.2827, 15.3057, 96.0187



47.4754, 27.5142, 83.6979



15.4636, 15.5207, 19.9024



11.1071, 4.7313, 45.4557



1.0312, 0.4489, 3.7865

Inverse Universe

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



46.7467, 27.9697, 46.1137



51.0817, 27.6703, 46.1299



38.0874, 64.8329, 19.1012



16.1855, 15.9239, 18.5328



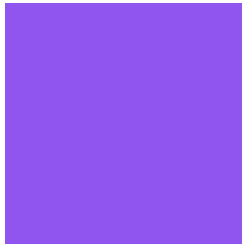
22.7085, 11.3558, 16.9135



1.9374, 0.9640, 1.6610

Previews

White Background



This preview shows how the XYZ color 30.0088, 18.5097, 82.8800 looks on a white background.

Color Contrast Check

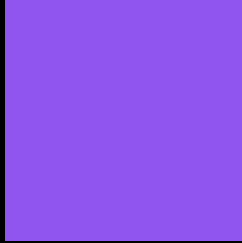
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0088, 18.5097, 82.8800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

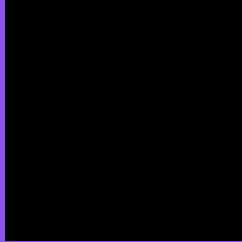
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0088, 18.5097, 82.8800

Background



This preview shows how black text looks on a background with the XYZ color 30.0088, 18.5097, 82.8800.



This preview shows how white text looks on a background with the XYZ color 30.0088, 18.5097,

82.8800.

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

30.0088, 18.5097, 82.8800

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

17.7804, 18.3407, 22.6817

Trichromacy



Original Color

30.0088, 18.5097, 82.8800



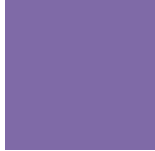
Protanomaly

22.2437, 16.9816, 85.3245



Deuteranomaly

19.9360, 16.8878, 70.6155



Tritanomaly

20.8815, 17.6101, 38.8577

Monochromacy



Original Color

30.0088, 18.5097, 82.8800



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

20.7706, 17.7489, 36.9815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0088, 18.5097, 82.8800 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(143, 85, 238)` looks like.

```
.text, #text, p{  
    color:rgb(143, 85, 238)  
}
```

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(143, 85, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 85, 238) }
```

Border

The CSS property to change the border of an element to XYZ 30.0088, 18.5097, 82.8800 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(143, 85, 238) }
```


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

```
.border{ border-color:rgb(143, 85, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 85, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 85, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 85, 238);  
box-shadow:4px 4px 4px 4px rgb(143, 85,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0088, 18.5097, 82.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 85, 238) }
```

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

```
.background{ background-color: rgb(143, 85,  
238) }
```

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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