

Converting Colors

XYZ(30.4030, 18.4775, 82.0865)

Have a look what the booklet for
XYZ(30.4030, 18.4775, 82.0865)
contains.

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Color

**XYZ(30.4119, 18.5040,
82.0895)**

Conversions

Conversions Part 1

Format	Color
Hex	9353ED
RGB	147, 83, 237
RGB Percent	58%, 33%, 93%
CMY	0.4235, 0.6745, 0.0706
CMYK	0.38, 0.65, 0.00, 0.07
HSL	265°, 81%, 63%
HSV	265°, 65%, 93%
XYZ	30.4119, 18.5040, 82.0895
YIQ	119.6920, -11.2900, 61.4620

Conversions

Conversions Part 2

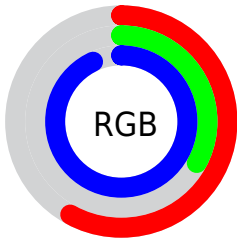
Format	Color
R_{YB}	147, 83, 237
Decimal	9655277
CIE _{Lab}	50.10, 57.06, -68.06
CIE _{LCh}	50, 88.816, 309.977
Yxy	18.5040, 0.2321, 0.1412
Android (android.graphics.Color)	4287845357 (0xFF9353ED)
YUV	119.6920, 57.8328, 23.9491
Hunter-Lab	43.0163, 50.9185, -83.0338

Details

The XYZ color **30.4119, 18.5040, 82.0895** 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 **49.0790, 70.0773, 19.1235**, and the grayscale version is **17.5794, 18.4949, 20.1409**.

A 20% lighter version of the original color is **52.3078, 37.9501, 99.1759**, and **12.7021, 6.2487, 43.7167** is the 20% darker color. If you saturate the color by 10%, you get **26.5627, 14.2725, 81.4760**, and if you desaturate by 10%, it is **35.1813, 24.1297, 82.9244**.

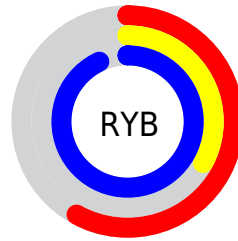
Distribution



Red (58%)

Green (33%)

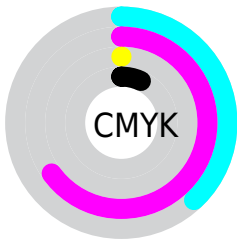
Blue (93%)



Red (58%)

Yellow (33%)

Blue (93%)

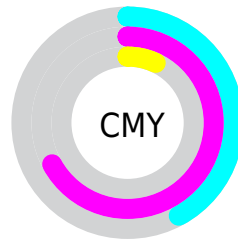


Cyan (38%)

Magenta (65%)

Yellow (0%)

Black (7%)



Cyan (42%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4119, 18.5040, 82.0895 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 30.4119, 18.5040, 82.0895 by changing the saturation by 10% instead.


 30.4119, 18.5040,
82.0895


 30.4119, 18.5040,
82.0895


295.6952,
243.6967, 521.8383

 20.3011, 11.3124,
60.9031


 59.6951, 40.8943,
138.1373


 12.7236, 6.2774,
43.7169


 79.5982, 56.8618,
173.8358


 7.3142, 3.0145,
30.1124


 103.4962, 76.5234,
215.2087

 3.7074, 1.1393,
19.6712

 131.7542,
100.2635, 262.6745

 1.5380, 0.0113,
11.9745

 164.7378,
128.4665, 316.6518

 0.3515, 0.0000,
6.6040

202.8123,

 0.0000, 0.0000,

161.5167, 377.5592

3.1411

246.3430,
199.7987, 445.8152

■ 0.0000, 0.0000,
1.1671

■ 0.0000, 0.0000,
0.0000

■ 30.4119, 18.5040,
82.0895

■ 30.4119, 18.5040,
82.0895

■ 26.5627, 14.2725,
81.4760

■ 35.1813, 24.1297,
82.9244

■ 23.5544, 11.2956,
81.0600

■ 40.9352, 31.2666,
83.9987

■ 21.2954, 9.4058,
80.8142

■ 47.7345, 40.0213,
85.3301

■ 20.3770, 8.7389,
80.7339

■ 55.6340, 50.4896,
86.9344

64.6844, 62.7600,
88.8258

74.9330, 76.9147,
91.0178

86.4245, 93.0305,
93.5228

92.2861, 98.8945,
94.3457

Harmonies

Analogous

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



20.5936, 18.5040, 111.2536



30.4119, 18.5040, 82.0895



38.0081, 18.5040, 40.9622

Triad

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



30.4119, 18.5040, 82.0895



23.8415, 18.5040, 0.2052



5.8532, 18.5040, 29.4596

Complementary

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



30.4119, 18.5040, 82.0895



49.0790, 70.0773, 19.1235

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.



6.2185, 18.5040, 7.9403



30.4119, 18.5040, 82.0895



14.8892, 18.5040, 0.0000

Square

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



30.4119, 18.5040, 82.0895



33.4413, 18.5040, 2.5082



8.9956, 18.5040, 1.3169



7.7549, 18.5040, 68.0912

Rectangle

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



30.4119, 18.5040, 82.0895



39.6942, 18.5040, 20.1668



8.9956, 18.5040, 1.3169



5.7346, 18.5040, 20.1286

Sweetspot

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



30.4128, 18.5046, 82.0900



71.8335, 67.9077, 103.9292



34.2617, 38.7698, 85.7987



14.7231, 13.6518, 22.1090



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.



30.4128, 18.5046, 82.0900



30.0769, 15.5266, 96.0194



48.3815, 27.7678, 82.9309



14.8243, 14.8547, 19.0082



11.2664, 4.8440, 44.0841



0.9919, 0.4356, 3.4667

Inverse Universe

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



45.5613, 27.2085, 42.3849



50.1379, 27.0896, 41.7860



36.9262, 63.8123, 18.5548



15.4347, 15.2017, 17.5743



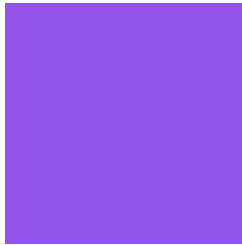
21.6592, 10.8664, 14.5386



1.7485, 0.8724, 1.3930

Previews

White Background



This preview shows how the XYZ color 30.4119, 18.5040, 82.0895 looks on a white background.

Color Contrast Check

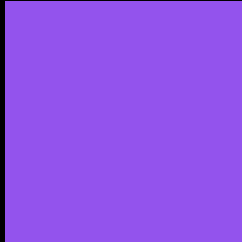
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4119, 18.5040, 82.0895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

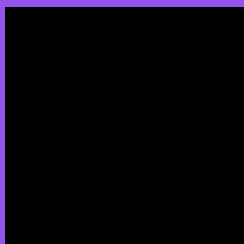
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4119, 18.5040, 82.0895

Background



This preview shows how black text looks on a background with the XYZ color 30.4119, 18.5040, 82.0895.



This preview shows how white text looks on a background with the XYZ color 30.4119, 18.5040,

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

30.4119, 18.5040, 82.0895

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

18.2956, 18.4399, 22.3336

Trichromacy



Original Color

30.4119, 18.5040, 82.0895



Protanomaly

22.1956, 16.8083, 85.2936



Deuteranomaly

20.0156, 16.7559, 71.2865



Tritanomaly

21.4502, 17.7619, 38.3742

Monochromacy



Original Color

30.4119, 18.5040, 82.0895



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.0745, 17.9056, 36.9957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4119, 18.5040, 82.0895 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(147, 83, 237)` looks like.

```
.text, #text, p{  
  color:rgb(147, 83, 237)  
}
```

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(147, 83, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 83, 237) }
```

Border

The CSS property to change the border of an element to XYZ 30.4119, 18.5040, 82.0895 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(147, 83, 237) }
```


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

```
.border{ border-color:rgb(147, 83, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 83, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 83, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 83, 237);  
box-shadow:4px 4px 4px 4px rgb(147, 83,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4119, 18.5040, 82.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 83, 237) }
```

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

```
.background{ background-color: rgb(147, 83,  
237) }
```

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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