

Converting Colors

XYZ(32.1687, 18.4101, 92.9349)

Have a look what the booklet for
XYZ(32.1687, 18.4101, 92.9349)
contains.

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Color

**XYZ(32.2098, 18.4298,
93.1265)**

Conversions

Conversions Part 1

Format	Color
Hex	944CFB
RGB	148, 76, 251
RGB Percent	58%, 30%, 98%
CMY	0.4196, 0.7020, 0.0157
CMYK	0.41, 0.70, 0.00, 0.02
HSL	265°, 96%, 64%
HSV	265°, 70%, 98%
XYZ	32.2098, 18.4298, 93.1265
YIQ	117.4780, -13.2630, 69.6890

Conversions

Conversions Part 2

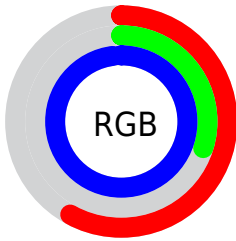
Format	Color
RYB	148, 76, 251
Decimal	9719035
CIELab	50.01, 64.05, -76.03
CIELCh	50, 99.415, 310.114
Yxy	18.4298, 0.2240, 0.1282
Android (android.graphics.Color)	4287909115 (0xFF944CFB)
YUV	117.4780, 65.8263, 26.7678
Hunter-Lab	42.9299, 58.7989, -98.5649

Details

The XYZ color **32.2098, 18.4298, 93.1265** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **54.3914, 79.0998, 19.2386**, and the grayscale version is **16.8624, 17.7406, 19.3195**.

A 20% lighter version of the original color is **52.0451, 36.5952, 98.9282**, and **13.7414, 6.2471, 50.9336** is the 20% darker color. If you saturate the color by 10%, you get **28.3017, 14.3295, 92.5415**, and if you desaturate by 10%, it is **37.1348, 24.0550, 93.9531**.

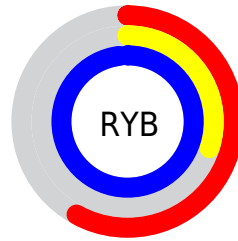
Distribution



Red (58%)

Green (30%)

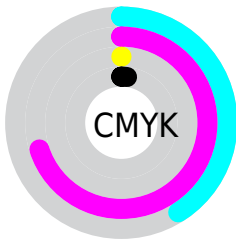
Blue (98%)



Red (58%)

Yellow (30%)

Blue (98%)

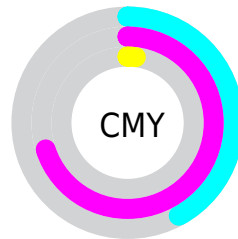


Cyan (41%)

Magenta (70%)

Yellow (0%)

Black (2%)



Cyan (42%)


Magenta (70%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2098, 18.4298, 93.1265 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 32.2098, 18.4298, 93.1265 by changing the saturation by 10% instead.


 32.2098, 18.4298,
93.1265

 32.2098, 18.4298,
93.1265


303.8022,
243.2826, 558.9800

 21.6781, 11.2590,
69.9884


 62.5028, 40.7683,
153.6470

 13.7359, 6.2413,
51.0403


 82.9949, 56.7049,
191.8664


 8.0176, 2.9924,
35.8638

 107.5378, 76.3321,
235.9500

 4.1581, 1.1278,
24.0401

 136.4968,
100.0344, 286.3164

 1.7920, 0.0015,
15.1509

 170.2375,
128.1963, 343.3840

 0.5128, 0.0000,
8.7776

209.1250,

 0.0000, 0.0000,

161.2020, 407.5715

4.5016

253.5248,
199.4359, 479.2973

■ 0.0000, 0.0000,
1.9043

■ 0.0000, 0.0000,
0.4955

■ 32.2098, 18.4298,
93.1265

■ 32.2098, 18.4298,
93.1265

■ 28.3017, 14.3295,
92.5415

■ 37.1348, 24.0550,
93.9531

■ 25.3115, 11.5789,
92.1681

■ 43.1562, 31.3500,
95.0438

■ 23.0929, 9.9046,
91.9619

■ 50.3477, 40.4438,
96.4201

■ 23.0378, 9.8649,
91.9571

■ 58.7754, 51.4522,
98.1007

68.4999, 64.4810,
100.1030

79.5778, 79.6278,
102.4428

92.0618, 96.9842,
105.1349

94.4127, 99.7451,
105.5439

Harmonies

Analogous

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



20.9430, 18.4298, 129.1073



32.2098, 18.4298, 93.1265



41.0769, 18.4298, 43.7945

Triad

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



32.2098, 18.4298, 93.1265



24.5342, 18.4298, 0.0000



4.9459, 18.4298, 30.7893

Complementary

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



32.2098, 18.4298, 93.1265



54.3914, 79.0998, 19.2386

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.



5.3026, 18.4298, 6.9683



32.2098, 18.4298, 93.1265



14.4866, 18.4298, 0.0000

Square

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



32.2098, 18.4298, 93.1265



35.6449, 18.4298, 1.6771



8.1503, 18.4298, 0.7131



6.8930, 18.4298, 76.5909

Rectangle

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



32.2098, 18.4298, 93.1265



43.0398, 18.4298, 19.9629



8.1503, 18.4298, 0.7131



4.8242, 18.4298, 20.1713

Sweetspot

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



32.2108, 18.4304, 93.1270



69.6223, 64.9683, 103.4784



36.9172, 41.5496, 97.3414



14.2869, 13.0776, 22.0212



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.



32.2108, 18.4304, 93.1270



27.8791, 13.4540, 95.7352



53.7651, 29.5420, 94.1357



16.9595, 16.9917, 21.7712



12.2653, 5.2657, 48.3435



1.2531, 0.5481, 4.4829

Inverse Universe

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



50.5047, 28.9328, 45.5686



48.9888, 25.6172, 38.8573



40.3669, 71.8699, 18.5823



17.6732, 17.3966, 20.1350



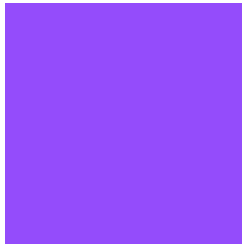
23.7844, 11.9295, 16.1050



2.2555, 1.1260, 1.7690

Previews

White Background



This preview shows how the XYZ color 32.2098, 18.4298, 93.1265 looks on a white background.

Color Contrast Check

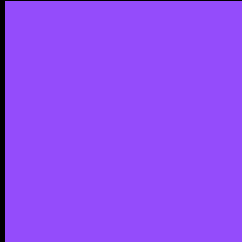
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2098, 18.4298, 93.1265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

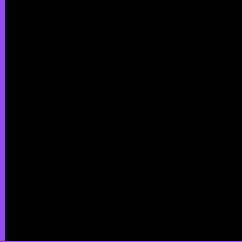
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2098, 18.4298, 93.1265

Background



This preview shows how black text looks on a background with the XYZ color 32.2098, 18.4298, 93.1265.



This preview shows how white text looks on a background with the XYZ color 32.2098, 18.4298,

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

32.2098, 18.4298, 93.1265

Protanopia

22.1577, 18.6723, 86.4407

Deuteranopia

18.5924, 18.5722, 63.5776



Tritanopia

17.8729, 18.2220, 22.3139

Trichromacy



Original Color

32.2098, 18.4298, 93.1265



Protanomaly

22.6564, 16.6842, 88.4125



Deuteranomaly

20.1635, 16.3237, 73.3222



Tritanomaly

21.3080, 17.1888, 40.7228

Monochromacy



Original Color

32.2098, 18.4298, 93.1265



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.5364, 16.8451, 38.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2098, 18.4298, 93.1265 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(148, 76, 251)` looks like.

```
.text, #text, p{  
    color:rgb(148, 76, 251)  
}
```

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(148, 76, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 76, 251) }
```

Border

The CSS property to change the border of an element to XYZ 32.2098, 18.4298, 93.1265 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(148, 76, 251) }
```


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

```
.border{ border-color:rgb(148, 76, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 76, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 76, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 76, 251);  
box-shadow:4px 4px 4px 4px rgb(148, 76,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2098, 18.4298, 93.1265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 76, 251) }
```

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

```
.background{ background-color: rgb(148, 76,  
251) }
```

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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