

Converting Colors

XYZ(32.3970, 18.5780, 91.5464)

Have a look what the booklet for
XYZ(32.3970, 18.5780, 91.5464)
contains.

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Color

**XYZ(32.4458, 18.5877,
91.5002)**

Conversions

Conversions Part 1

Format	Color
Hex	974CF9
RGB	151, 76, 249
RGB Percent	59%, 30%, 98%
CMY	0.4078, 0.7020, 0.0235
CMYK	0.39, 0.69, 0.00, 0.02
HSL	266°, 94%, 64%
HSV	266°, 69%, 98%
XYZ	32.4458, 18.5877, 91.5002
YIQ	118.1470, -10.8330, 69.7030

Conversions

Conversions Part 2

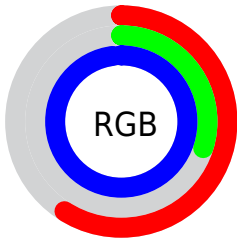
Format	Color
R_{YB}	151, 76, 249
Decimal	9915641
CIE _{Lab}	50.20, 64.09, -74.59
CIE _{LCh}	50, 98.347, 310.670
Yxy	18.5877, 0.2276, 0.1304
Android (android.graphics.Color)	4288105721 (0xFF974CF9)
YUV	118.1470, 64.5105, 28.8121
Hunter-Lab	43.1135, 58.8848, -95.6525

Details

The XYZ color **32.4458, 18.5877, 91.5002** is a light color, and the websafe version is hex **9966FF**. The color can be described as light washed purple. A complement of this color would be **52.6352, 77.2718, 18.9784**, and the grayscale version is **17.0735, 17.9626, 19.5613**.

A 20% lighter version of the original color is **52.8966, 37.0341, 98.9681**, and **13.7912, 6.2769, 49.7749** is the 20% darker color. If you saturate the color by 10%, you get **28.5873, 14.5259, 90.9200**, and if you desaturate by 10%, it is **37.2828, 24.1387, 92.3171**.

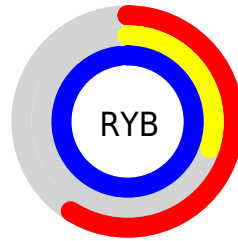
Distribution



Red (59%)

Green (30%)

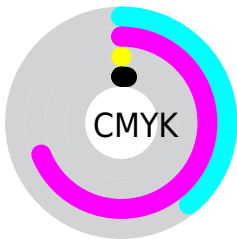
Blue (98%)



Red (59%)

Yellow (30%)

Blue (98%)

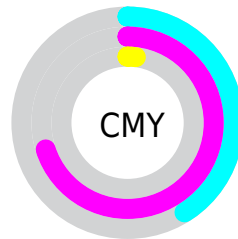


Cyan (39%)

Magenta (69%)

Yellow (0%)

Black (2%)



Cyan (41%)

Magenta (70%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4458, 18.5877, 91.5002 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 32.4458, 18.5877, 91.5002 by changing the saturation by 10% instead.

32.4458, 18.5877,
91.5002

32.4458, 18.5877,
91.5002

304.8544,
244.1631, 553.5945

21.8594, 11.3727,
68.6449

62.8698, 41.0362,
151.3742

13.8697, 6.3181,
49.9526

83.4381, 57.0386,
189.2299

8.1112, 3.0395,
35.0048

108.0645, 76.7389,
232.9228

4.2186, 1.1524,
23.3830

137.1143,
100.5215, 282.8715

1.8265, 0.0223,
14.6686

170.9528,
128.7708, 339.4944

0.5336, 0.0000,
8.4431

209.9454,

0.0000, 0.0000,

161.8713, 403.2102

4.2880

254.4575,
200.2072, 474.4374

■ 0.0000, 0.0000,
1.7846

■ 0.0000, 0.0000,
0.4178

■ 32.4458, 18.5877,
91.5002

■ 32.4458, 18.5877,
91.5002

■ 28.5873, 14.5259,
90.9200

■ 37.2828, 24.1387,
92.3171

■ 25.6119, 11.7831,
90.5474

■ 43.1742, 31.3196,
93.3927

■ 23.3817, 10.0994,
90.3399

■ 50.1911, 40.2560,
94.7477

■ 23.2776, 10.0248,
90.3310

■ 58.3967, 51.0604,
96.4007

67.8492, 63.8357,
98.3684

78.6029, 78.6771,
100.6663

90.7084, 95.6735,
103.3089

94.0990, 99.6196,
103.8919

Harmonies

Analogous

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



21.2696, 18.5877, 127.4680



32.4458, 18.5877, 91.5002



41.1181, 18.5877, 42.9643

Triad

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



32.4458, 18.5877, 91.5002



24.4297, 18.5877, 0.0000



5.1094, 18.5877, 31.5525

Complementary

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



32.4458, 18.5877, 91.5002



52.6352, 77.2718, 18.9784

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.



5.4280, 18.5877, 7.3913



32.4458, 18.5877, 91.5002



14.4961, 18.5877, 0.0000

Square

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



32.4458, 18.5877, 91.5002



35.4597, 18.5877, 1.7061



8.2361, 18.5877, 0.8362



7.1182, 18.5877, 77.0610

Rectangle

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



32.4458, 18.5877, 91.5002



42.9510, 18.5877, 19.6333



8.2361, 18.5877, 0.8362



4.9731, 18.5877, 20.8567

Sweetspot

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



32.4468, 18.5883, 91.5007



69.9892, 65.1574, 103.4956



35.2221, 38.6613, 95.2289



14.3737, 13.1223, 22.0252



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.



32.4468, 18.5883, 91.5007



28.9361, 14.1334, 95.8107



54.7647, 30.0936, 92.5451



16.9968, 17.0110, 21.7729



12.6160, 5.4465, 48.3599



1.2875, 0.5658, 4.4845

Inverse Universe

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



49.2913, 28.3647, 42.9198



48.7490, 25.6663, 37.1478



39.1609, 70.3255, 18.3478



17.6565, 17.3900, 20.0470



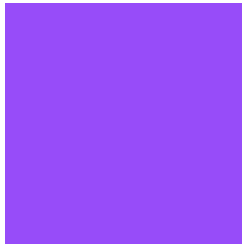
23.5600, 11.8397, 14.9230



2.2353, 1.1178, 1.6623

Previews

White Background



This preview shows how the XYZ color 32.4458, 18.5877, 91.5002 looks on a white background.

Color Contrast Check

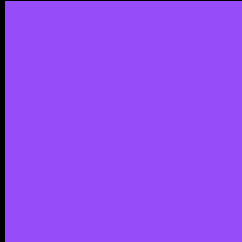
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4458, 18.5877, 91.5002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

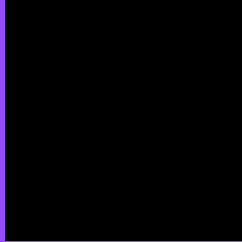
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.4458, 18.5877, 91.5002

Background



This preview shows how black text looks on a background with the XYZ color 32.4458, 18.5877, 91.5002.



This preview shows how white text looks on a background with the XYZ color 32.4458, 18.5877,

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

32.4458, 18.5877, 91.5002

Deuteranopia

18.7174, 18.6222, 64.2360

Tritanopia

18.4394, 18.5140, 22.3404

Trichromacy



Original Color

32.4458, 18.5877, 91.5002



Deuteranomaly

20.2177, 16.3516, 73.3248



Tritanomaly

21.9336, 17.5113, 40.7521

Monochromacy



Original Color

32.4458, 18.5877, 91.5002



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.9391, 17.1995, 38.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4458, 18.5877, 91.5002 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(151, 76, 249)` looks like.

```
.text, #text, p{  
    color:rgb(151, 76, 249)  
}
```

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(151, 76, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 76, 249) }
```

Border

The CSS property to change the border of an element to XYZ 32.4458, 18.5877, 91.5002 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(151, 76, 249) }
```

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

```
.border{ border-color:rgb(151, 76, 249) }
```

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

Here you see how a box with a 4 pixel rgb(151, 76, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 76, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 76, 249);  
box-shadow:4px 4px 4px 4px rgb(151, 76,  
249) }
```


Background

The CSS property to change the background color of an element to XYZ 32.4458, 18.5877, 91.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 76, 249) }
```

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

```
.background{ background-color: rgb(151, 76,  
249) }
```

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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