

Converting Colors

XYZ(32.4515, 15.0606, 94.1265)

Have a look what the booklet for
XYZ(32.4515, 15.0606, 94.1265)
contains.

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Color

**XYZ(32.4770, 15.0657,
94.1248)**

Conversions

Conversions Part 1

Format	Color
Hex	A014FD
RGB	160, 20, 253
RGB Percent	63%, 8%, 99%
CMY	0.3725, 0.9216, 0.0078
CMYK	0.37, 0.92, 0.00, 0.01
HSL	276°, 98%, 54%
HSV	276°, 92%, 99%
XYZ	32.4770, 15.0657, 94.1248
YIQ	88.4220, 8.6470, 102.1430

Conversions

Conversions Part 2

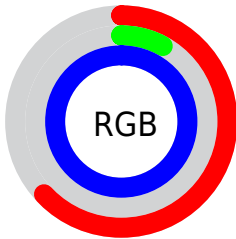
Format	Color
R_{YB}	160, 20, 253
Decimal	10491133
CIE _{Lab}	45.72, 83.50, -84.10
CIE _{LCh}	46, 118.515, 314.796
Yxy	15.0657, 0.2292, 0.1063
Android (android.graphics.Color)	4288681213 (0xFFA014FD)
YUV	88.4220, 81.1370, 62.7739
Hunter-Lab	38.8146, 81.4294, -116.6073

Details

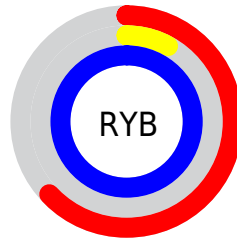
The XYZ color **32.4770, 15.0657, 94.1248** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **42.0610, 73.8117, 12.6920**, and the grayscale version is **9.1952, 9.6741, 10.5351**.

A 20% lighter version of the original color is **52.0886, 30.5783, 97.7646**, and **14.7801, 6.4815, 52.1018** is the 20% darker color. If you saturate the color by 10%, you get **30.6828, 13.7695, 93.9695**, and if you desaturate by 10%, it is **35.2792, 17.5489, 94.4568**.

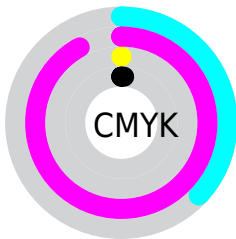
Distribution



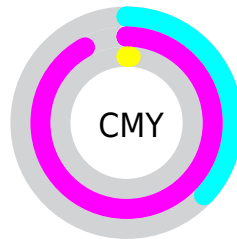
- Red (63%)
- Green (8%)
- Blue (99%)



- Red (63%)
- Yellow (8%)
- Blue (99%)



- Cyan (37%)
- Magenta (92%)
- Yellow (0%)
- Black (1%)





- Cyan (37%)
- Magenta (92%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4770, 15.0657, 94.1248 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 32.4770, 15.0657, 94.1248 by changing the saturation by 10% instead.

 32.4770, 15.0657,
94.1248

 32.4770, 15.0657,
94.1248


304.9933,
223.7635, 562.2719


 21.8834, 8.8655,
70.8139


 62.9183, 34.9684,
155.0401

 13.8874, 4.6536,
51.7094


 83.4967, 49.4397,
193.4816


 8.1236, 2.0455,
36.3929


 108.1341, 67.4368,
237.8036

 4.2266, 0.6337,
24.4457

 137.1958, 89.3441,
288.4248

 1.8311, 0.0000,
15.4493

 171.0473,
115.5461, 345.7637

 0.5363, 0.0000,
8.9852

 210.0537,

 0.0000, 0.0000,

146.4270, 410.2388

4.6349

254.5806,
182.3714, 482.2687

■ 0.0000, 0.0000,
1.9797

■ 0.0000, 0.0000,
0.5427

■ 32.4770, 15.0657,
94.1248

■ 32.4770, 15.0657,
94.1248

■ 30.6828, 13.7695,
93.9695

■ 35.2792, 17.5489,
94.4568

■ 38.8264, 21.2747,
94.9890

■ 43.2129, 26.4246,
95.7518

■ 48.5164, 33.1488,
96.7702

■ 54.8046, 41.5778,
98.0657

■ 62.1383, 51.8283,
99.6577

■ 70.5730, 64.0064,
101.5638

■ 80.1598, 78.2097,
103.8000

■ 90.9466, 94.5293,
106.3815

Harmonies

Analogous

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



19.7834, 15.0657, 146.9206



32.4770, 15.0657, 94.1248



41.8613, 15.0657, 35.3838

Triad

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



32.4770, 15.0657, 94.1248



19.9473, 15.0657, 0.0000



2.6423, 15.0657, 34.7572

Complementary

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



32.4770, 15.0657, 94.1248



42.0610, 73.8117, 12.6920

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.



2.6538, 15.0657, 5.8200



32.4770, 15.0657, 94.1248



9.9675, 15.0657, 0.0000

Square

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



32.4770, 15.0657, 94.1248



32.6439, 15.0657, 0.0000



4.6256, 15.0657, 0.0000



4.5803, 15.0657, 93.2417

Rectangle

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



32.4770, 15.0657, 94.1248



43.1060, 15.0657, 12.2355



4.6256, 15.0657, 0.0000



2.4626, 15.0657, 21.4256

Sweetspot

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



32.4779, 15.0662, 94.1252



66.6294, 57.5852, 102.2110



23.9455, 19.0953, 95.3526



13.5005, 11.2371, 21.7074



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.



32.4779, 15.0662, 94.1252



31.2292, 14.0141, 95.6668



54.9992, 27.0793, 76.9705



18.0501, 17.9176, 22.7570



16.4910, 7.4119, 49.9961



1.7290, 0.7852, 4.8737

Inverse Universe

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



43.7386, 22.5751, 17.6733



43.6272, 22.2149, 14.5007



35.8554, 70.5762, 14.0471



18.3097, 18.1072, 20.2481



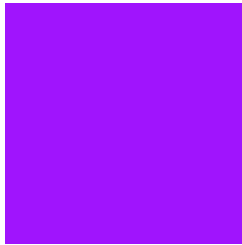
22.8649, 11.6352, 7.9389



2.2784, 1.1537, 1.0476

Previews

White Background



This preview shows how the XYZ color 32.4770, 15.0657, 94.1248 looks on a white background.

Color Contrast Check

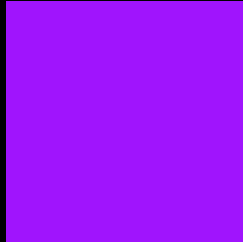
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.4770, 15.0657, 94.1248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

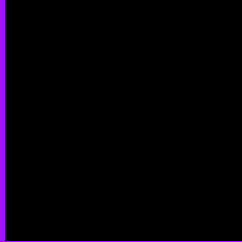
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.4770, 15.0657, 94.1248

Background



This preview shows how black text looks on a background with the XYZ color 32.4770, 15.0657, 94.1248.



This preview shows how white text looks on a background with the XYZ color 32.4770, 15.0657,

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

32.4770, 15.0657, 94.1248

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.1981, 15.3499, 51.4520



Tritanopia

16.6240, 15.0223, 16.2108

Trichromacy



Original Color

32.4770, 15.0657, 94.1248



Protanomaly

18.9017, 11.6803, 78.3491



Deuteranomaly

16.6785, 11.3465, 64.9294



Tritanomaly

19.8416, 12.8305, 35.1490

Monochromacy



Original Color

32.4770, 15.0657, 94.1248



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

14.0622, 9.2705, 29.0652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4770, 15.0657, 94.1248 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(160, 20, 253)` looks like.

```
.text, #text, p{  
    color:rgb(160, 20, 253)  
}
```

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(160, 20, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 20, 253) }
```

Border

The CSS property to change the border of an element to XYZ 32.4770, 15.0657, 94.1248 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(160, 20, 253) }
```


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

```
.border{ border-color:rgb(160, 20, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 20, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 20, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 20, 253);  
box-shadow:4px 4px 4px 4px rgb(160, 20,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4770, 15.0657, 94.1248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 20, 253) }
```

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

```
.background{ background-color: rgb(160, 20,  
253) }
```

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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