

Converting Colors

XYZ(32.6044, 14.7231, 95.7311)

Have a look what the booklet for
XYZ(32.6044, 14.7231, 95.7311)
contains.

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Color

**XYZ(32.5472, 14.6936,
95.7285)**

Conversions

Conversions Part 1

Format	Color
Hex	A000FF
RGB	160, 0, 255
RGB Percent	63%, 0%, 100%
CMY	0.3725, 1.0000, 0.0000
CMYK	0.37, 1.00, 0.00, 0.00
HSL	278°, 100%, 50%
HSV	278°, 100%, 100%
XYZ	32.5472, 14.6936, 95.7285
YIQ	76.9100, 13.5050, 113.2250

Conversions

Conversions Part 2

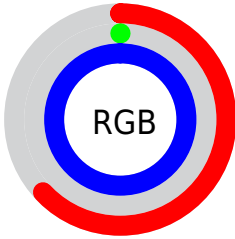
Format	Color
RYB	160, 0, 255
Decimal	10486015
CIELab	45.21, 85.96, -86.06
CIELCh	45, 121.639, 314.968
Yxy	14.6936, 0.2277, 0.1028
Android (android.graphics.Color)	4288676095 (0xFFA000FF)
YUV	76.9100, 87.7984, 72.8699
Hunter-Lab	38.3322, 84.4797, -121.2345

Details

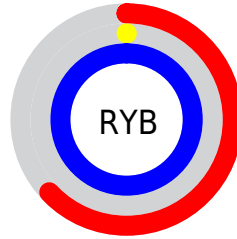
The XYZ color **32.5472, 14.6936, 95.7285** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **40.4789, 73.9527, 12.1408**, and the grayscale version is **6.8788, 7.2371, 7.8812**.

A 20% lighter version of the original color is **51.6639, 29.7290, 97.6230**, and **15.0078, 6.5726, 53.3010** is the 20% darker color. If you saturate the color by 10%, you get **32.5480, 14.6940, 95.7285**, and if you desaturate by 10%, it is **34.8789, 16.4277, 95.9403**.

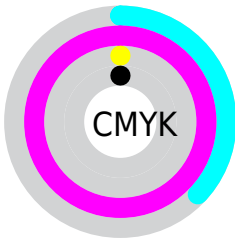
Distribution



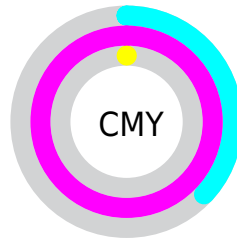
- Red (63%)
- Green (0%)
- Blue (100%)



- Red (63%)
- Yellow (0%)
- Blue (100%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5472, 14.6936, 95.7285 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 32.5472, 14.6936, 95.7285 by changing the saturation by 10% instead.


 32.5472, 14.6936,
95.7285


 32.5472, 14.6936,
95.7285


305.3056,
221.5041, 567.5384


 21.9374, 8.6046,
72.1412

 63.0274, 34.3148,
157.2749


 13.9272, 4.4842,
52.7865


 83.6284, 48.6157,
196.0711


 8.1514, 1.9479,
37.2458


 108.2906, 66.4228,
240.7740

 4.2446, 0.5770,
25.1006

 137.3792, 88.1205,
291.8022

 1.8414, 0.0000,
15.9323

 171.2597,
114.0930, 349.5742

 0.5424, 0.0000,
9.3224

 210.2973,

 0.0000, 0.0000,

144.7249, 414.5085

4.8524

254.8575,
180.4004, 487.0237

■ 0.0000, 0.0000,
2.1037

■ 0.0000, 0.0000,
0.6180

■ 32.5472, 14.6936,
95.7285

■ 32.5472, 14.6936,
95.7285

■ 32.5480, 14.6940,
95.7285

■ 34.8789, 16.4277,
95.9403

■ 37.8250, 19.1718,
96.3147

■ 41.5322, 23.2134,
96.8994

■ 46.0907, 28.7289,
97.7237

■ 51.5768, 35.8661,
98.8122

■ 58.0570, 44.7545,
100.1863

■ 65.5916, 55.5101,
101.8652

■ 74.2353, 68.2388,
103.8665

■ 84.0390, 83.0384,
106.2064

Harmonies

Analogous

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



19.5723, 14.6936, 151.0340



32.5472, 14.6936, 95.7285



42.1597, 14.6936, 35.0630

Triad

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



32.5472, 14.6936, 95.7285



19.5986, 14.6936, 0.0000



2.3825, 14.6936, 34.9617

Complementary

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



32.5472, 14.6936, 95.7285



40.4789, 73.9527, 12.1408

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.



2.3843, 14.6936, 5.5127



32.5472, 14.6936, 95.7285



9.5474, 14.6936, 0.0000

Square

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



32.5472, 14.6936, 95.7285



32.5742, 14.6936, 0.0000



4.2796, 14.6936, 0.0000



4.2727, 14.6936, 95.5835

Rectangle

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



32.5472, 14.6936, 95.7285



43.4008, 14.6936, 11.6706



4.2796, 14.6936, 0.0000



2.2077, 14.6936, 21.2833

Sweetspot

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



32.5480, 14.6940, 95.7285



65.5915, 55.5100, 101.8652



22.3943, 15.9087, 96.4981



13.3310, 10.8606, 21.6436



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.



32.5480, 14.6940, 95.7285



32.5480, 14.6940, 95.7285



54.8648, 26.7099, 73.6770



18.0984, 17.9425, 22.7593



17.1777, 7.7659, 50.0282



1.7934, 0.8185, 4.8767

Inverse Universe

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



43.3054, 22.0862, 12.8062



43.3054, 22.0862, 12.8061



35.9912, 71.6125, 13.1373



18.2892, 18.0990, 20.1401



22.6941, 11.5669, 7.0394



2.2604, 1.1465, 0.9527

Previews

White Background



This preview shows how the XYZ color 32.5472, 14.6936, 95.7285 looks on a white background.

Color Contrast Check

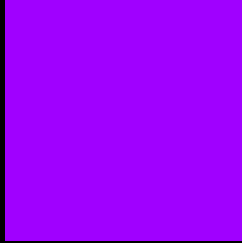
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5472, 14.6936, 95.7285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

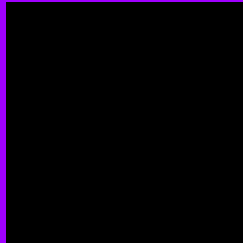
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5472, 14.6936, 95.7285

Background



This preview shows how black text looks on a background with the XYZ color 32.5472, 14.6936, 95.7285.



This preview shows how white text looks on a background with the XYZ color 32.5472, 14.6936,

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

32.5472, 14.6936, 95.7285

Protanopia

17.9698, 15.2705, 69.7105

Deuteranopia

14.9787, 15.0866, 50.8377



Tritanopia

16.5711, 15.0012, 15.9320

Trichromacy



Original Color

32.5472, 14.6936, 95.7285

Protanomaly

18.4601, 10.7970, 78.2019

Deuteranomaly

16.1358, 10.2611, 64.7485

Tritanomaly

19.4217, 11.9908, 35.0090

Monochromacy



Original Color

32.5472, 14.6936, 95.7285

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.0442, 7.2754, 26.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5472, 14.6936, 95.7285 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 255)  
}
```

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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.5472, 14.6936, 95.7285 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, 0, 255) }
```


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

```
.border{ border-color:rgb(160, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5472, 14.6936, 95.7285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 255) }
```

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

```
.background{ background-color: rgb(160, 0,  
255) }
```

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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