

Converting Colors

XYZ(31.4217, 14.5182, 95.7539)

Have a look what the booklet for
XYZ(31.4217, 14.5182, 95.7539)
contains.

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Color

**XYZ(31.4550, 14.5286,
95.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	9915FF
RGB	153, 21, 255
RGB Percent	60%, 8%, 100%
CMY	0.4000, 0.9177, 0.0000
CMYK	0.40, 0.92, 0.00, 0.00
HSL	274°, 100%, 54%
HSV	274°, 92%, 100%
XYZ	31.4550, 14.5286, 95.7542
YIQ	87.1440, 3.5580, 100.7580

Conversions

Conversions Part 2

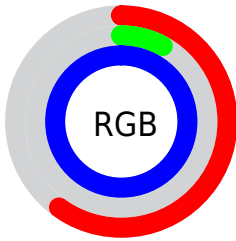
Format	Color
RYB	153, 21, 255
Decimal	10032639
CIELab	44.98, 83.00, -86.47
CIElCh	45, 119.860, 313.825
Yxy	14.5286, 0.2219, 0.1025
Android (android.graphics.Color)	4288222719 (0xFF9915FF)
YUV	87.1440, 82.7530, 57.7557
Hunter-Lab	38.1164, 80.6008, -122.2640

Details

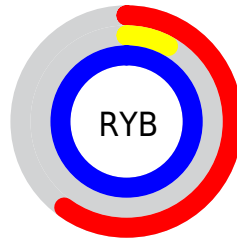
The XYZ color **31.4550, 14.5286, 95.7542** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **44.0628, 75.7846, 13.0149**, and the grayscale version is **8.9176, 9.3820, 10.2170**.

A 20% lighter version of the original color is **49.9887, 29.4958, 97.6663**, and **14.1979, 6.1551, 53.2631** is the 20% darker color. If you saturate the color by 10%, you get **29.5257, 13.1360, 95.5871**, and if you desaturate by 10%, it is **34.3810, 17.1183, 96.0998**.

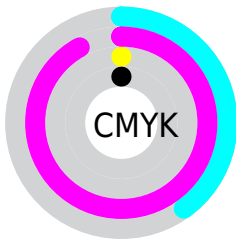
Distribution



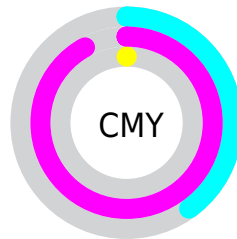
- Red (60%)
- Green (8%)
- Blue (100%)



- Red (60%)
- Yellow (8%)
- Blue (100%)



- Cyan (40%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4550, 14.5286, 95.7542 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 31.4550, 14.5286, 95.7542 by changing the saturation by 10% instead.

 31.4550, 14.5286,
95.7542


 31.4550, 14.5286,
95.7542


300.4186,
220.4949, 567.6226

 21.0991, 8.4892,
72.1625


 61.3267, 34.0241,
157.3107


 13.3093, 4.4096,
52.8038


 81.5732, 48.2489,
196.1125

 7.7204, 1.9052,
37.2595


 105.8473, 65.9711,
240.8216

 3.9668, 0.5515,
25.1111

 134.5143, 87.5749,
291.8562

 1.6834, 0.0000,
15.9401

 167.9395,
113.4448, 349.6351

 0.4458, 0.0000,
9.3279

 206.4885,

 0.0000, 0.0000,

143.9652, 414.5768

4.8559

250.5264,
179.5204, 487.0998

■ 0.0000, 0.0000,
2.1057

■ 0.0000, 0.0000,
0.6192

■ 31.4550, 14.5286,
95.7542

■ 31.4550, 14.5286,
95.7542

■ 29.5257, 13.1360,
95.5871

■ 34.3810, 17.1183,
96.0998

■ 38.0990, 20.9955,
96.6522

■ 42.7054, 26.3445,
97.4419

■ 48.2803, 33.3184,
98.4942

■ 54.8935, 42.0503,
99.8310

■ 62.6081, 52.6591,
101.4722

■ 71.4813, 65.2534,
103.4354

■ 81.5661, 79.9329,
105.7373

■ 92.9123, 96.7908,
108.3932

Harmonies

Analogous

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



18.8327, 14.5286, 147.9646



31.4550, 14.5286, 95.7542



41.0573, 14.5286, 36.1834

Triad

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



31.4550, 14.5286, 95.7542



19.7683, 14.5286, 0.0000



2.3891, 14.5286, 32.5882

Complementary

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



31.4550, 14.5286, 95.7542



44.0628, 75.7846, 13.0149

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.



2.4519, 14.5286, 5.0275



31.4550, 14.5286, 95.7542



9.7690, 14.5286, 0.0000

Square

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



31.4550, 14.5286, 95.7542



32.4132, 14.5286, 0.0000



4.4238, 14.5286, 0.0000



4.1722, 14.5286, 90.6362

Rectangle

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



31.4550, 14.5286, 95.7542



42.5338, 14.5286, 12.4778



4.4238, 14.5286, 0.0000



2.2356, 14.5286, 19.7094

Sweetspot

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



31.4558, 14.5290, 95.7542



65.8103, 57.1629, 102.1727



25.8583, 22.3777, 97.5642



13.3036, 11.1355, 21.6981



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.



31.4558, 14.5290, 95.7542



29.5257, 13.1360, 95.5871



57.7311, 28.2855, 87.4485



17.9836, 17.8833, 22.7539



15.6024, 6.9538, 49.9545



1.6446, 0.7417, 4.8698

Inverse Universe

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



45.0829, 23.2262, 20.8438



44.1174, 22.4110, 17.0822



36.3395, 71.7875, 13.3579



18.3382, 18.1186, 20.3980



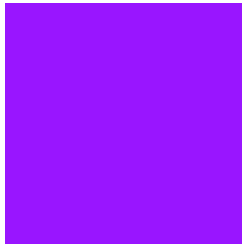
23.1241, 11.7389, 9.3040



2.3052, 1.1644, 1.1886

Previews

White Background



This preview shows how the XYZ color 31.4550, 14.5286, 95.7542 looks on a white background.

Color Contrast Check

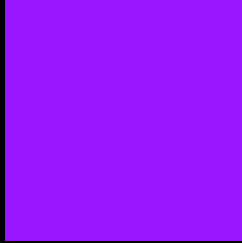
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4550, 14.5286, 95.7542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

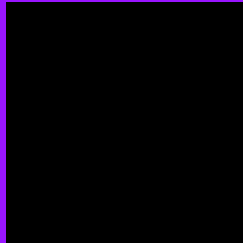
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.4550, 14.5286, 95.7542

Background



This preview shows how black text looks on a background with the XYZ color 31.4550, 14.5286, 95.7542.



This preview shows how white text looks on a background with the XYZ color 31.4550, 14.5286,

95.7542.

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

31.4550, 14.5286, 95.7542

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

14.5456, 14.7397, 49.0921



Tritanopia

15.4400, 14.5491, 16.4625

Trichromacy



Original Color

31.4550, 14.5286, 95.7542



Protanomaly

18.4372, 11.3754, 76.8252



Deuteranomaly

16.2389, 11.0430, 63.5630



Tritanomaly

18.5118, 12.2299, 35.5673

Monochromacy



Original Color

31.4550, 14.5286, 95.7542



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.6783, 9.0726, 29.0472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4550, 14.5286, 95.7542 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(153, 21, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 21, 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(153, 21, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 21, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4550, 14.5286, 95.7542 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(153, 21, 255) }
```


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

```
.border{ border-color:rgb(153, 21, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 21, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 21, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 21, 255); box-shadow:4px 4px 4px 4px rgb(153, 21, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4550, 14.5286, 95.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 21, 255) }
```

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

```
.background{ background-color: rgb(153, 21,  
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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