

Converting Colors

XYZ(31.6412, 14.3544, 89.9099)

Have a look what the booklet for
XYZ(31.6412, 14.3544, 89.9099)
contains.

XYZ(31.6412, 14.3544, 89.9099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6412, 14.3544,
89.9099)**

Conversions

Conversions Part 1

Format	Color
Hex	A100F8
RGB	161, 0, 248
RGB Percent	63%, 0%, 97%
CMY	0.3686, 1.0000, 0.0274
CMYK	0.35, 1.00, 0.00, 0.03
HSL	279°, 100%, 49%
HSV	279°, 100%, 97%
XYZ	31.6412, 14.3544, 89.9099
YIQ	76.4110, 16.3480, 111.2600

Conversions

Conversions Part 2

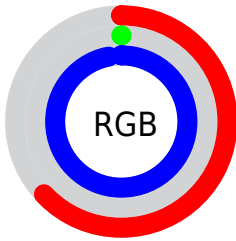
Format	Color
RYB	161, 0, 248
Decimal	10551544
CIELab	44.74, 84.73, -82.92
CIELCh	45, 118.553, 315.621
Yxy	14.3544, 0.2328, 0.1056
Android (android.graphics.Color)	4288741624 (0xFFA100F8)
YUV	76.4110, 84.5934, 74.1846
Hunter-Lab	37.8872, 82.7703, -114.1797

Details

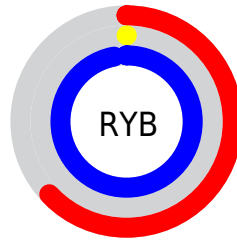
The XYZ color **31.6412, 14.3544, 89.9099** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **37.4980, 69.1612, 11.3732**, and the grayscale version is **6.7933, 7.1471, 7.7832**.

A 20% lighter version of the original color is **51.9711, 29.8874, 97.6374**, and **14.4399, 6.3704, 49.1837** is the 20% darker color. If you saturate the color by 10%, you get **31.6418, 14.3547, 89.9102**, and if you desaturate by 10%, it is **33.8003, 15.9772, 90.1097**.

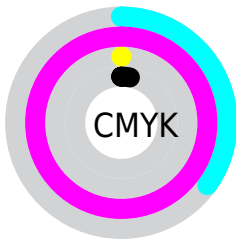
Distribution



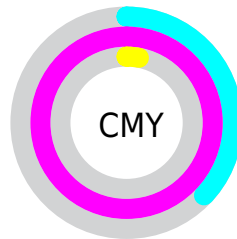
- Red (63%)
- Green (0%)
- Blue (97%)



- Red (63%)
- Yellow (0%)
- Blue (97%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (37%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6412, 14.3544, 89.9099 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 31.6412, 14.3544, 89.9099 by changing the saturation by 10% instead.


 31.6412, 14.3544,
89.9099

 31.6412, 14.3544,
89.9099

301.2560,
219.4246, 548.3003


 21.2418, 8.3676,
67.3326


 61.6172, 33.7165,
149.1477

 13.4143, 4.3310,
48.8917


 81.9245, 47.8607,
186.6452

 7.7934, 1.8604,
34.1686


 106.2651, 65.4926,
229.9533

 4.0137, 0.5244,
22.7447

 135.0045, 86.9969,
279.4904

 1.7099, 0.0000,
14.2016

 168.5079,
112.7578, 335.6751

 0.4625, 0.0000,
8.1207

 207.1407,

 0.0000, 0.0000,

143.1598, 398.9260

4.0834

251.2683,
178.5873, 469.6615

■ 0.0000, 0.0000,
1.6712

■ 0.0000, 0.0000,
0.3409

■ 31.6412, 14.3544,
89.9099

■ 31.6412, 14.3544,
89.9099

■ 31.6418, 14.3547,
89.9102

■ 33.8003, 15.9772,
90.1097

■ 36.5198, 18.5375,
90.4605

■ 39.9378, 22.3067,
91.0079

■ 44.1381, 27.4488,
91.7791

■ 49.1912, 34.1019,
92.7969

■ 55.1589, 42.3864,
94.0814

■ 62.0970, 52.4104,
95.6506

■ 70.0563, 64.2728,
97.5207

■ 79.0838, 78.0646,
99.7070

Harmonies

Analogous

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



19.2678, 14.3544, 142.7456



31.6412, 14.3544, 89.9099



40.6251, 14.3544, 32.8648

Triad

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



31.6412, 14.3544, 89.9099



18.7832, 14.3544, 0.0000



2.4462, 14.3544, 34.7237

Complementary

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



31.6412, 14.3544, 89.9099



37.4980, 69.1612, 11.3732

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.



2.4133, 14.3544, 5.8061



31.6412, 14.3544, 89.9099



9.2363, 14.3544, 0.0000

Square

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



31.6412, 14.3544, 89.9099



31.1459, 14.3544, 0.0000



4.2210, 14.3544, 0.0000



4.3524, 14.3544, 92.5484

Rectangle

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



31.6412, 14.3544, 89.9099



41.6508, 14.3544, 10.9852



4.2210, 14.3544, 0.0000



2.2617, 14.3544, 21.4269

Sweetspot

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



31.6420, 14.3548, 89.9103



66.1171, 55.7810, 101.8898



20.6789, 14.2485, 90.4676



13.4565, 10.9252, 21.6495



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.



31.6420, 14.3548, 89.9103



33.6811, 15.2781, 95.7815



50.9688, 24.8595, 66.3575



17.3676, 17.2021, 21.7903



17.2505, 7.8356, 48.5768



1.7124, 0.7848, 4.5044

Inverse Universe

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



40.4318, 20.6447, 10.8705



43.0623, 21.9889, 11.5259



33.8430, 67.2452, 12.6398



17.4960, 17.3258, 19.2019



21.9011, 11.1761, 6.1874



2.0765, 1.0544, 0.8265

Previews

White Background



This preview shows how the XYZ color 31.6412, 14.3544, 89.9099 looks on a white background.

Color Contrast Check

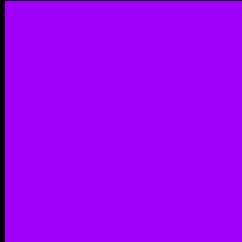
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6412, 14.3544, 89.9099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

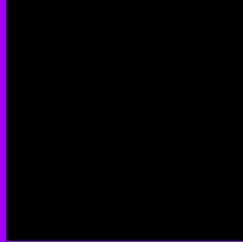
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.6412, 14.3544, 89.9099

Background



This preview shows how black text looks on a background with the XYZ color 31.6412, 14.3544, 89.9099.



This preview shows how white text looks on a background with the XYZ color 31.6412, 14.3544,

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

31.6412, 14.3544, 89.9099

Protanopia

17.6052, 14.9626, 68.2898

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

16.6049, 14.6172, 15.0429

Trichromacy



Original Color

31.6412, 14.3544, 89.9099



Protanomaly

17.8947, 10.4834, 75.2091



Deuteranomaly

15.6266, 9.9633, 62.0723



Tritanomaly

19.2250, 11.7748, 32.7120

Monochromacy



Original Color

31.6412, 14.3544, 89.9099



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.7806, 7.1038, 25.1764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6412, 14.3544, 89.9099 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(161, 0, 248)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 248)  
}
```

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(161, 0, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 248) }
```

Border

The CSS property to change the border of an element to XYZ 31.6412, 14.3544, 89.9099 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(161, 0, 248) }
```


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

```
.border{ border-color:rgb(161, 0, 248) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 248);  
box-shadow:4px 4px 4px 4px rgb(161, 0,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6412, 14.3544, 89.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 248) }
```

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

```
.background{ background-color: rgb(161, 0,  
248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor