

Converting Colors

XYZ(32.0853, 14.5491, 91.4775)

Have a look what the booklet for
XYZ(32.0853, 14.5491, 91.4775)
contains.

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Color

**XYZ(32.1556, 14.5835,
91.5626)**

Conversions

Conversions Part 1

Format	Color
Hex	A200FA
RGB	162, 0, 250
RGB Percent	64%, 0%, 98%
CMY	0.3647, 1.0000, 0.0196
CMYK	0.35, 1.00, 0.00, 0.02
HSL	279°, 100%, 49%
HSV	279°, 100%, 98%
XYZ	32.1556, 14.5835, 91.5626
YIQ	76.9380, 16.3020, 112.0940

Conversions

Conversions Part 2

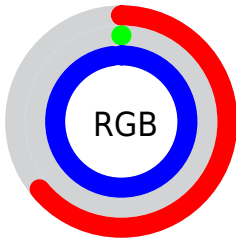
Format	Color
RYB	162, 0, 250
Decimal	10617082
CIELab	45.06, 85.22, -83.50
CIELCh	45, 119.309, 315.581
Yxy	14.5835, 0.2325, 0.1054
Android (android.graphics.Color)	4288807162 (0xFFA200FA)
YUV	76.9380, 85.3196, 74.5994
Hunter-Lab	38.1883, 83.4721, -115.4253

Details

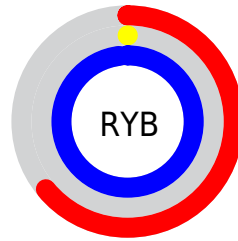
The XYZ color **32.1556, 14.5835, 91.5626** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **38.2100, 70.4460, 11.5836**, and the grayscale version is **6.8880, 7.2468, 7.8917**.

A 20% lighter version of the original color is **52.2802, 30.0467, 97.6519**, and **14.7700, 6.5151, 50.3482** is the 20% darker color. If you saturate the color by 10%, you get **32.1564, 14.5839, 91.5630**, and if you desaturate by 10%, it is **34.3548, 16.2333, 91.7655**.

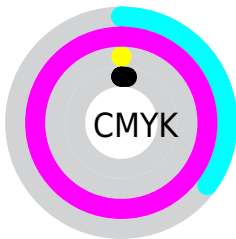
Distribution



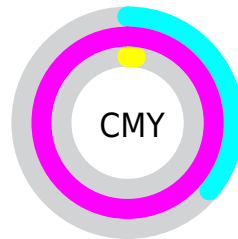
- Red (64%)
- Green (0%)
- Blue (98%)



- Red (64%)
- Yellow (0%)
- Blue (98%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (36%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1556, 14.5835, 91.5626 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 32.1556, 14.5835, 91.5626 by changing the saturation by 10% instead.


 32.1556, 14.5835,
91.5626


 32.1556, 14.5835,
91.5626


303.5602,
220.8312, 553.8016


 21.6365, 8.5276,
68.6964


 62.4185, 34.1208,
151.4614

 13.7052, 4.4344,
49.9943


 82.8930, 48.3711,
189.3312


 7.9962, 1.9194,
35.0377


 107.4167, 66.1215,
233.0391

 4.1443, 0.5600,
23.4081

 136.3549, 87.7566,
283.0039

 1.7841, 0.0000,
14.6870

 170.0730,
113.6608, 339.6440

 0.5081, 0.0000,
8.4559

 208.9363,

 0.0000, 0.0000,

144.2183, 403.3779

4.2961

253.3103,
179.8137, 474.6243

■ 0.0000, 0.0000,
1.7891

■ 0.0000, 0.0000,
0.4208

■ 32.1556, 14.5835,
91.5626

■ 32.1556, 14.5835,
91.5626

■ 32.1564, 14.5839,
91.5630

■ 34.3548, 16.2333,
91.7655

■ 37.1262, 18.8392,
92.1224

■ 40.6099, 22.6770,
92.6795

■ 44.8917, 27.9143,
93.4648

■ 50.0433, 34.6917,
94.5014

■ 56.1280, 43.1322,
95.8099

■ 63.2026, 53.3461,
97.4085

■ 71.3190, 65.4341,
99.3140

■ 80.5251, 79.4892,
101.5417

Harmonies

Analogous

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



19.5663, 14.5835, 145.3140



32.1556, 14.5835, 91.5626



41.3076, 14.5835, 33.4731

Triad

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



32.1556, 14.5835, 91.5626



19.1051, 14.5835, 0.0000



2.4779, 14.5835, 35.2429

Complementary

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



32.1556, 14.5835, 91.5626



38.2100, 70.4460, 11.5836

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.



2.4466, 14.5835, 5.8725



32.1556, 14.5835, 91.5626



9.3892, 14.5835, 0.0000

Square

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



32.1556, 14.5835, 91.5626



31.6840, 14.5835, 0.0000



4.2859, 14.5835, 0.0000



4.4108, 14.5835, 94.0758

Rectangle

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



32.1556, 14.5835, 91.5626



42.3610, 14.5835, 11.1857



4.2859, 14.5835, 0.0000



2.2913, 14.5835, 21.7297

Sweetspot

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



32.1565, 14.5839, 91.5630



66.0882, 55.7661, 101.8884



21.0538, 14.4989, 92.1317



13.4496, 10.9217, 21.6492



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.



32.1565, 14.5839, 91.5630



33.6177, 15.2455, 95.7786



51.9056, 25.3165, 67.5697



17.3655, 17.2010, 21.7902



17.2185, 7.8192, 48.5753



1.7096, 0.7834, 4.5043

Inverse Universe

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



41.1858, 21.0286, 11.1201



43.0751, 21.9940, 11.5936



34.4650, 68.4832, 12.8656



17.4969, 17.3261, 19.2065



21.9077, 11.1788, 6.2225



2.0772, 1.0546, 0.8302

Previews

White Background



This preview shows how the XYZ color 32.1556, 14.5835, 91.5626 looks on a white background.

Color Contrast Check

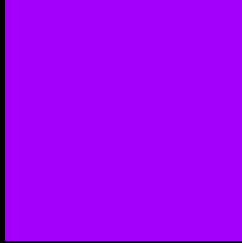
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1556, 14.5835, 91.5626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

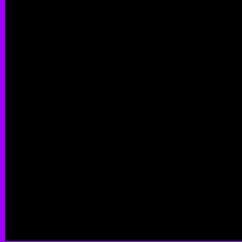
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1556, 14.5835, 91.5626

Background



This preview shows how black text looks on a background with the XYZ color 32.1556, 14.5835, 91.5626.



This preview shows how white text looks on a background with the XYZ color 32.1556, 14.5835,

91.5626.

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

32.1556, 14.5835, 91.5626

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

14.8697, 15.0430, 50.2640



Tritanopia

16.9092, 14.9062, 15.3506

Trichromacy



Original Color

32.1556, 14.5835, 91.5626



Protanomaly

18.0348, 10.5394, 75.9467



Deuteranomaly

15.8147, 10.1394, 62.7516



Tritanomaly

19.5712, 11.9336, 33.6197

Monochromacy



Original Color

32.1556, 14.5835, 91.5626



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.0163, 7.2782, 25.5825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1556, 14.5835, 91.5626 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(162, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 250)  
}
```

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(162, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 32.1556, 14.5835, 91.5626 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(162, 0, 250) }
```


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

```
.border{ border-color:rgb(162, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1556, 14.5835, 91.5626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 250) }
```

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

```
.background{ background-color: rgb(162, 0,  
250) }
```

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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