

# Converting Colors

XYZ(31.1085, 14.5139, 85.9559)

Have a look what the booklet for  
XYZ(31.1085, 14.5139, 85.9559)  
contains.

<b>XYZ(31.1085, 14.5139, 85.9559)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(31.1085, 14.5139,  
85.9559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A113F3
RGB	161, 19, 243
RGB Percent	63%, 7%, 95%
CMY	0.3686, 0.9255, 0.0471
CMYK	0.34, 0.92, 0.00, 0.05
HSL	278°, 90%, 51%
HSV	278°, 92%, 95%
XYZ	31.1085, 14.5139, 85.9559
YIQ	86.9940, 12.7280, 99.7680

# Conversions

## Conversions Part 2

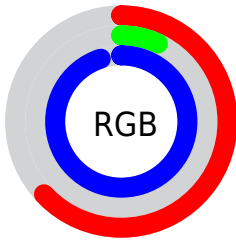
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	161, 19, 243
Decimal	10556403
CIE Lab	44.96, 81.81, -79.74
CIE LCh	45, 114.242, 315.736
Yxy	14.5139, 0.2364, 0.1103
Android (android.graphics.Color)	4288746483 (0xFFA113F3)
YUV	86.9940, 76.9110, 64.9033
Hunter-Lab	38.0971, 79.0856, -107.1040

# Details

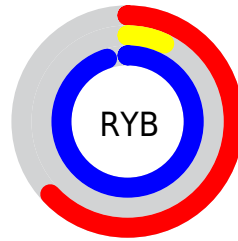
The XYZ color **31.1085, 14.5139, 85.9559** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **37.5350, 66.9151, 11.5538**, and the grayscale version is **8.8968, 9.3601, 10.1932**.

A 20% lighter version of the original color is **52.0886, 30.5783, 97.7646**, and **14.0125, 6.2121, 46.3595** is the 20% darker color. If you saturate the color by 10%, you get **29.5132, 13.3458, 85.8148**, and if you desaturate by 10%, it is **33.6084, 16.7557, 86.2572**.

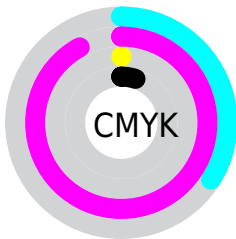
# Distribution



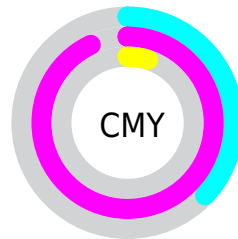
- Red (63%)
- Green (7%)
- Blue (95%)



- Red (63%)
- Yellow (7%)
- Blue (95%)



- Cyan (34%)
- Magenta (92%)
- Yellow (0%)
- Black (5%)




- Cyan (37%)
- Magenta (93%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1085, 14.5139, 85.9559 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 31.1085, 14.5139, 85.9559 by changing the saturation by 10% instead.





 31.1085, 14.5139,  
85.9559


 31.1085, 14.5139,  
85.9559

298.8558,  
220.4048, 535.0126

 20.8337, 8.4789,  
64.0768


 60.7855, 33.9981,  
143.5939


 13.1143, 4.4029,  
46.2663


 80.9185, 48.2162,  
180.1900

 7.5848, 1.9014,  
32.1058


 105.0682, 65.9308,  
222.5288

 3.8800, 0.5492,  
21.1769

 133.6001, 87.5262,  
271.0288

 1.6345, 0.0000,  
13.0608

 166.8794,  
113.3869, 326.1087

 0.4147, 0.0000,  
7.3392

 205.2716,

 0.0000, 0.0000,

143.8974, 388.1869

3.5935

249.1419,  
179.4419, 457.6821

■ 0.0000, 0.0000,  
1.4051

■ 0.0000, 0.0000,  
0.1457

■ 31.1085, 14.5139,  
85.9559

■ 31.1085, 14.5139,  
85.9559

■ 29.5132, 13.3458,  
85.8148

■ 33.6084, 16.7557,  
86.2572

■ 36.7638, 20.1166,  
86.7396

■ 40.6591, 24.7605,  
87.4306

■ 45.3639, 30.8229,  
88.3528

■ 50.9389, 38.4220,  
89.5258

■ 57.4385, 47.6629,  
90.9669

■ 64.9123, 58.6414,  
92.6920

■ 73.4060, 71.4460,  
94.7159

■ 82.9623, 86.1587,  
97.0521

# Harmonies

## Analogous

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



19.2727, 14.5139, 135.3887



31.1085, 14.5139, 85.9559



39.6132, 14.5139, 32.2041

# Triad

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



31.1085, 14.5139, 85.9559



18.7203, 14.5139, 0.0000



2.7128, 14.5139, 34.3025

# Complementary

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



31.1085, 14.5139, 85.9559



37.5350, 66.9151, 11.5538

# 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.



2.6726, 14.5139, 6.2031



31.1085, 14.5139, 85.9559



9.4681, 14.5139, 0.0000

# Square

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



31.1085, 14.5139, 85.9559



30.5501, 14.5139, 0.0000



4.5052, 14.5139, 0.0000



4.6619, 14.5139, 88.8823



# Rectangle

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



31.1085, 14.5139, 85.9559



40.5594, 14.5139, 11.1924



4.5052, 14.5139, 0.0000



2.5200, 14.5139, 21.5328

# Sweetspot

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



31.1093, 14.5144, 85.9563



67.3770, 57.9706, 102.2460



21.1131, 15.9431, 86.7589



13.6807, 11.3299, 21.7158



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.



31.1093, 14.5144, 85.9563



32.8802, 14.8653, 95.7440



49.2225, 24.3315, 65.1421



16.5912, 16.4474, 20.8428



16.3512, 7.4037, 47.1053



1.5498, 0.7088, 4.1454



# Inverse Universe

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



39.5441, 20.4602, 14.1767



43.2311, 22.0564, 12.4151



32.8709, 64.4606, 13.6009



16.7499, 16.5828, 18.4294



21.3339, 10.8770, 6.4666

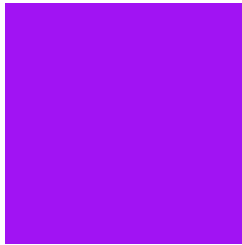


1.9227, 0.9750, 0.8194



# Previews

## White Background



This preview shows how the XYZ color 31.1085, 14.5139, 85.9559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

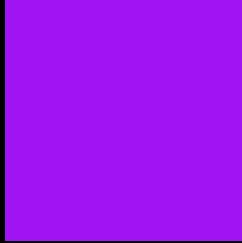
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.1085, 14.5139, 85.9559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

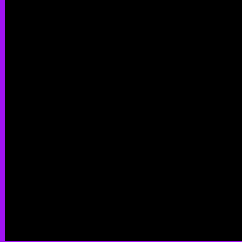
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 31.1085, 14.5139, 85.9559**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.1085, 14.5139, 85.9559.



This preview shows how white text looks on a background with the XYZ color 31.1085, 14.5139,

85.9559.

# 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

31.1085, 14.5139, 85.9559

### Protanopia

17.3746, 14.7102, 67.5693

### Deuteranopia

14.6530, 14.7827, 49.6580



## Tritanopia

16.6227, 14.4959, 14.7538

# Trichromacy



## Original Color

31.1085, 14.5139, 85.9559



## Protanomaly

17.8485, 11.0555, 73.1447



## Deuteranomaly

15.8427, 10.7916, 60.9225



## Tritanomaly

19.4015, 12.3966, 31.9421

# Monochromacy



## Original Color

31.1085, 14.5139, 85.9559



## Achromatopsia

9.0590, 9.5307, 10.3790



## Achromatomaly

13.6961, 9.0363, 27.4079

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.1085, 14.5139, 85.9559 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, 19, 243)` looks like.

```
.text, #text, p{  
    color:rgb(161, 19, 243)  
}
```

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, 19, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 19, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 31.1085, 14.5139, 85.9559 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, 19, 243) }
```



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

```
.border{ border-color:rgb(161, 19, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 19, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 19, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 19, 243);  
box-shadow:4px 4px 4px 4px rgb(161, 19,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.1085, 14.5139, 85.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 19, 243) }
```

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

```
.background{ background-color: rgb(161, 19,  
243) }
```

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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