

Converting Colors

XYZ(31.4145, 19.3751, 90.4000)

Have a look what the booklet for
XYZ(31.4145, 19.3751, 90.4000)
contains.

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Color

**XYZ(31.4336, 19.4456,
90.0923)**

Conversions

Conversions Part 1

Format	Color
Hex	8E58F7
RGB	142, 88, 247
RGB Percent	56%, 35%, 97%
CMY	0.4431, 0.6549, 0.0314
CMYK	0.43, 0.64, 0.00, 0.03
HSL	260°, 91%, 66%
HSV	260°, 64%, 97%
XYZ	31.4336, 19.4456, 90.0923
YIQ	122.2720, -18.8550, 60.8970

Conversions

Conversions Part 2

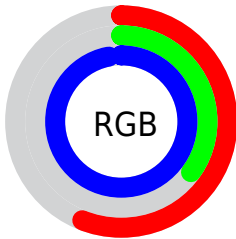
Format	Color
R _Y B	142, 88, 247
Decimal	9328887
CIE Lab	51.20, 56.10, -71.89
CIE LCh	51, 91.188, 307.965
Yxy	19.4456, 0.2230, 0.1379
Android (android.graphics.Color)	4287518967 (0xFF8E58F7)
YUV	122.2720, 61.4909, 17.3015
Hunter-Lab	44.0972, 50.0694, -90.2639

Details

The XYZ color **31.4336, 19.4456, 90.0923** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **57.0137, 78.5633, 21.3920**, and the grayscale version is **18.3980, 19.3562, 21.0789**.

A 20% lighter version of the original color is **51.9320, 38.8263, 99.3649**, and **13.2095, 6.6852, 48.7383** is the 20% darker color. If you saturate the color by 10%, you get **27.1420, 14.7163, 89.4061**, and if you desaturate by 10%, it is **36.8231, 25.7602, 91.0275**.

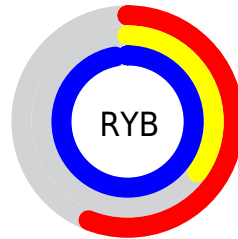
Distribution



Red (56%)

Green (35%)

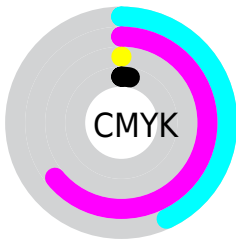
Blue (97%)



Red (56%)

Yellow (35%)

Blue (97%)

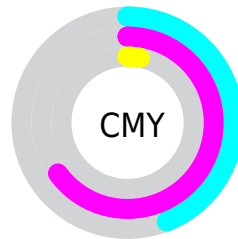


Cyan (43%)

Magenta (64%)

Yellow (0%)

Black (3%)



Cyan (44%)


Magenta (65%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4336, 19.4456, 90.0923 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 31.4336, 19.4456, 90.0923 by changing the saturation by 10% instead.


 31.4336, 19.4456,
90.0923


 31.4336, 19.4456,
90.0923


300.3223,
248.8978, 548.9089

 21.0827, 11.9927,
67.4831


 61.2933, 42.4857,
149.4032


 13.2973, 6.7387,
49.0132


 81.5328, 58.8417,
186.9420

 7.7120, 3.2992,
34.2643


 105.7992, 78.9342,
230.2944

 3.9614, 1.2899,
22.8177

 134.4579,
103.1476, 279.8789

 1.6803, 0.1333,
14.2549

167.8742,
131.8662, 336.1140

 0.4439, 0.0000,
8.1574

206.4134,

 0.0000, 0.0000,

165.4746, 399.4184

4.1066

250.4410,
204.3569, 470.2105

■ 0.0000, 0.0000,
1.6840

■ 0.0000, 0.0000,
0.3497

■ 31.4336, 19.4456,
90.0923

■ 31.4336, 19.4456,
90.0923

■ 27.1420, 14.7163,
89.4061

■ 36.8231, 25.7602,
91.0275

■ 23.8551, 11.4160,
88.9423

■ 43.3868, 33.7917,
92.2318

■ 21.4659, 9.3578,
88.6709

■ 51.1967, 43.6598,
93.7249

■ 20.4353, 8.5954,
88.5781

■ 60.3181, 55.4727,
95.5243

70.8112, 69.3300,
97.6460

82.7326, 85.3244,
100.1049

93.7886, 99.4954,
102.2574

Harmonies

Analogous

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



21.0080, 19.4456, 119.2877



31.4336, 19.4456, 90.0923



39.8423, 19.4456, 46.0098

Triad

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



31.4336, 19.4456, 90.0923



25.8348, 19.4456, 0.2627



6.0254, 19.4456, 28.8822

Complementary

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



31.4336, 19.4456, 90.0923



57.0137, 78.5633, 21.3920

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.



6.5649, 19.4456, 7.4109



31.4336, 19.4456, 90.0923



16.1679, 19.4456, 0.0000

Square

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



31.4336, 19.4456, 90.0923



35.9411, 19.4456, 2.9067



9.6900, 19.4456, 1.1577



7.8542, 19.4456, 69.2149

Rectangle

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



31.4336, 19.4456, 90.0923



41.9890, 19.4456, 22.9984



9.6900, 19.4456, 1.1577



5.9512, 19.4456, 19.4468

Sweetspot

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



31.4346, 19.4462, 90.0928



70.6873, 67.3168, 103.8756



40.1050, 47.3740, 95.0264



14.4483, 13.5102, 22.0962



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.



31.4346, 19.4462, 90.0928



28.1033, 14.6977, 95.9635



49.9453, 28.9888, 90.9591



16.1117, 16.2002, 20.8203



10.9433, 4.6158, 46.8522



1.0672, 0.4600, 4.1228

Inverse Universe

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



51.4729, 30.6039, 53.6439



51.8965, 27.9963, 50.4206



42.0271, 70.8375, 20.6906



16.9605, 16.6670, 19.5384



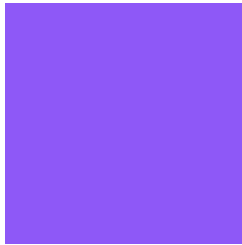
23.8565, 11.8861, 19.7508



2.1447, 1.0638, 1.9883

Previews

White Background



This preview shows how the XYZ color 31.4336, 19.4456, 90.0923 looks on a white background.

Color Contrast Check

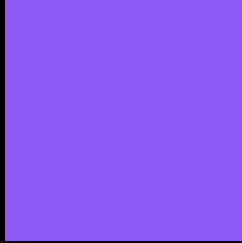
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4336, 19.4456, 90.0923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

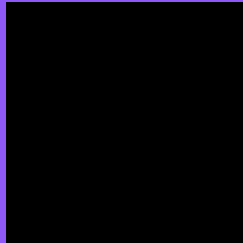
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4336, 19.4456, 90.0923

Background



This preview shows how black text looks on a background with the XYZ color 31.4336, 19.4456, 90.0923.



This preview shows how white text looks on a background with the XYZ color 31.4336, 19.4456,

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

31.4336, 19.4456, 90.0923

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.7283, 19.6251, 67.7140



Tritanopia

18.1946, 19.2298, 24.5826

Trichromacy



Original Color

31.4336, 19.4456, 90.0923



Protanomaly

23.5135, 17.8154, 91.0064



Deuteranomaly

21.0755, 17.8645, 75.0104



Tritanomaly

21.6734, 18.5678, 42.4860

Monochromacy



Original Color

31.4336, 19.4456, 90.0923



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.6042, 18.6090, 39.0124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4336, 19.4456, 90.0923 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(142, 88, 247)` looks like.

```
.text, #text, p{  
    color:rgb(142, 88, 247)  
}
```

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(142, 88, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 88, 247) }
```

Border

The CSS property to change the border of an element to XYZ 31.4336, 19.4456, 90.0923 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(142, 88, 247) }
```


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

```
.border{ border-color:rgb(142, 88, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 88, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 88, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 88, 247);  
box-shadow:4px 4px 4px 4px rgb(142, 88,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4336, 19.4456, 90.0923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 88, 247) }
```

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

```
.background{ background-color: rgb(142, 88,  
247) }
```

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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