

Converting Colors

XYZ(34.8939, 22.9566, 97.1997)

Have a look what the booklet for
XYZ(34.8939, 22.9566, 97.1997)
contains.

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Color

**XYZ(34.8340, 22.9258,
97.1969)**

Conversions

Conversions Part 1

Format	Color
Hex	9366FF
RGB	147, 102, 255
RGB Percent	58%, 40%, 100%
CMY	0.4235, 0.6000, 0.0000
CMYK	0.42, 0.60, 0.00, 0.00
HSL	258°, 100%, 70%
HSV	258°, 60%, 100%
XYZ	34.8340, 22.9258, 97.1969
YIQ	132.8970, -22.2930, 57.1230

Conversions

Conversions Part 2

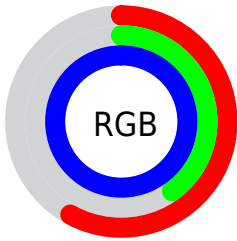
Format	Color
R _Y B	147, 102, 255
Decimal	9660159
CIE _{Lab}	55.00, 51.80, -70.17
CIE _{LCh}	55, 87.214, 306.436
Y _{xy}	22.9258, 0.2248, 0.1479
Android (android.graphics.Color)	4287850239 (0xFF9366FF)
Y _{UV}	132.8970, 60.1968, 12.3683
Hunter-Lab	47.8809, 46.0696, -86.8404

Details

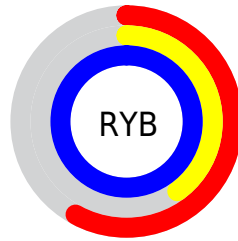
The XYZ color **34.8340, 22.9258, 97.1969** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.7357, 86.1805, 25.7933**, and the grayscale version is **22.0518, 23.2002, 25.2650**.

A 20% lighter version of the original color is **55.5035, 43.9281, 100.1614**, and **15.2365, 8.5134, 53.6635** is the 20% darker color. If you saturate the color by 10%, you get **29.7232, 17.1258, 96.3468**, and if you desaturate by 10%, it is **41.2222, 30.5284, 98.3277**.

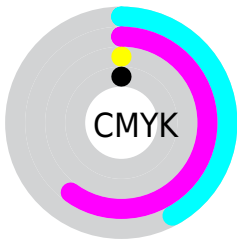
Distribution



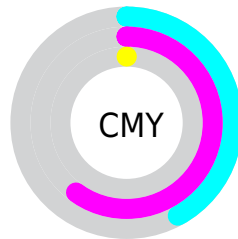
- Red (58%)
- Green (40%)
- Blue (100%)



- Red (58%)
- Yellow (40%)
- Blue (100%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8340, 22.9258, 97.1969 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 34.8340, 22.9258, 97.1969 by changing the saturation by 10% instead.

■ 34.8340, 22.9258,
97.1969

■ 34.8340, 22.9258,
97.1969

315.3559,
267.3437, 572.3375

■ 23.7009, 14.5387,
73.3578

■ 66.5642, 48.2715,
159.3178

■ 15.2355, 8.4963,
53.7750

■ 87.8921, 65.9988,
198.4368

■ 9.0722, 4.4141,
38.0299

■ 113.3490, 87.6084,
243.4861

■ 4.8458, 1.9078,
25.7039

■ 143.3003,
113.4847, 294.8844

■ 2.1909, 0.5531,
16.3785

178.1112,
144.0119, 353.0501

■ 0.7379, 0.0000,
9.6351

218.1473,

■ 0.0000, 0.0000,

179.5746, 418.4018

5.0553

263.7737,
220.5570, 491.3581

■ 0.0000, 0.0000,
2.2204

■ 0.0000, 0.0000,
0.6861

■ 34.8340, 22.9258,
97.1969

■ 34.8340, 22.9258,
97.1969

■ 29.7232, 17.1258,
96.3468

■ 41.2222, 30.5284,
98.3277

■ 25.7902, 12.9677,
95.7515

■ 48.9707, 40.0706,
99.7611

■ 22.9233, 10.2644,
95.3808

■ 58.1585, 51.6786,
101.5174

■ 20.9522, 8.7162,
95.1858

■ 68.8573, 65.4668,
103.6149

■ 20.9521, 8.7161,
95.1858

■ 81.1339, 81.5413,
106.0706

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.9460, 22.9258, 124.3805



34.8340, 22.9258, 97.1969



43.7168, 22.9258, 52.9458

Triad

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



34.8340, 22.9258, 97.1969



30.1192, 22.9258, 1.0422



8.0251, 22.9258, 31.4333

Complementary

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



34.8340, 22.9258, 97.1969



64.7357, 86.1805, 25.7933

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.



8.7859, 22.9258, 9.1305



34.8340, 22.9258, 97.1969



19.7680, 22.9258, 0.5702

Square

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



34.8340, 22.9258, 97.1969



40.4784, 22.9258, 4.7911



12.4925, 22.9258, 1.9404



9.9756, 22.9258, 71.9534

Rectangle

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



34.8340, 22.9258, 97.1969



46.1755, 22.9258, 28.4285



12.4925, 22.9258, 1.9404



7.9834, 22.9258, 21.7900

Sweetspot

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



34.8350, 22.9265, 97.1970



71.1837, 68.4947, 104.0768



46.9858, 56.9572, 103.1252



14.5160, 13.7240, 22.1339



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.



34.8350, 22.9265, 97.1970



28.8454, 16.1680, 96.2082



52.8799, 32.2290, 98.0415



17.5050, 17.6366, 22.7315



11.0767, 4.6207, 49.7427



1.1820, 0.5033, 4.8481

Inverse Universe

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



57.6240, 35.4160, 64.7694



54.0608, 30.0344, 58.2034



48.1744, 77.6428, 25.0182



18.5516, 18.2040, 21.5218



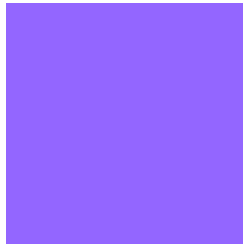
25.9216, 12.8579, 24.0355



2.5718, 1.2711, 2.5923

Previews

White Background



This preview shows how the XYZ color 34.8340, 22.9258, 97.1969 looks on a white background.

Color Contrast Check

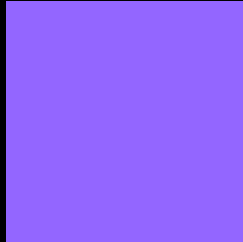
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8340, 22.9258, 97.1969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

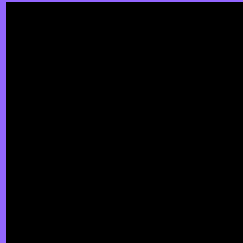
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8340, 22.9258, 97.1969

Background



This preview shows how black text looks on a background with the XYZ color 34.8340, 22.9258, 97.1969.

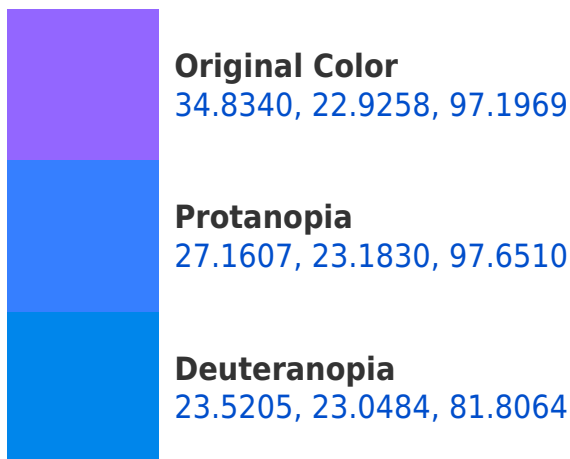


This preview shows how white text looks on a background with the XYZ color 34.8340, 22.9258,

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





Tritanopia

21.1673, 22.7817, 29.6672

Trichromacy



Original Color

34.8340, 22.9258, 97.1969

Protanomaly

28.5529, 22.2516, 97.3978

Deuteranomaly

24.4547, 21.0868, 86.7856

Tritanomaly

24.8172, 22.1256, 48.3101

Monochromacy



Original Color

34.8340, 22.9258, 97.1969

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.3766, 22.4967, 44.5998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8340, 22.9258, 97.1969 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(147, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 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(147, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.8340, 22.9258, 97.1969 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(147, 102, 255) }
```


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

```
.border{ border-color:rgb(147, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 102, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 102, 255); box-shadow:4px 4px 4px 4px rgb(147, 102, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8340, 22.9258, 97.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 255) }
```

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

```
.background{ background-color: rgb(147,  
102, 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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