

Converting Colors

XYZ(33.5908, 22.2856, 97.1389)

Have a look what the booklet for
XYZ(33.5908, 22.2856, 97.1389)
contains.

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Color

**XYZ(33.6166, 22.2982,
97.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	8C66FF
RGB	140, 102, 255
RGB Percent	55%, 40%, 100%
CMY	0.4510, 0.6000, 0.0000
CMYK	0.45, 0.60, 0.00, 0.00
HSL	255°, 100%, 70%
HSV	255°, 60%, 100%
XYZ	33.6166, 22.2982, 97.1399
YIQ	130.8040, -26.4650, 55.6390

Conversions

Conversions Part 2

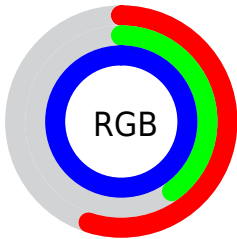
Format	Color
RYB	140, 102, 255
Decimal	9201407
CIELab	54.34, 50.40, -71.26
CIELCh	54, 87.278, 305.272
Yxy	22.2982, 0.2196, 0.1457
Android (android.graphics.Color)	4287391487 (0xFF8C66FF)
YUV	130.8040, 61.2286, 8.0649
Hunter-Lab	47.2210, 44.4374, -88.9128

Details

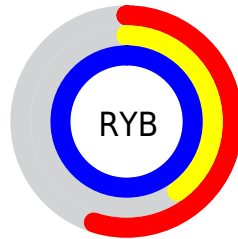
The XYZ color **33.6166, 22.2982, 97.1399** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.7724, 87.2304, 25.8885**, and the grayscale version is **21.3000, 22.4093, 24.4037**.

A 20% lighter version of the original color is **53.4250, 42.6106, 100.0166**, and **14.5305, 8.1495, 53.6305** is the 20% darker color. If you saturate the color by 10%, you get **28.5318, 16.5116, 96.2910**, and if you desaturate by 10%, it is **40.0363, 29.9170, 98.2721**.

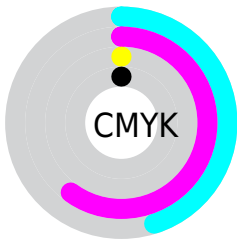
Distribution



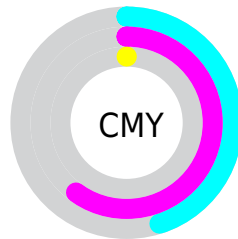
- Red (55%)
- Green (40%)
- Blue (100%)



- Red (55%)
- Yellow (40%)
- Blue (100%)



- Cyan (45%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6166, 22.2982, 97.1399 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 33.6166, 22.2982, 97.1399 by changing the saturation by 10% instead.

 33.6166, 22.2982,
97.1399


 33.6166, 22.2982,
97.1399


310.0352,
264.0996, 572.1516


 22.7607, 14.0762,
73.3106


 64.6853, 47.2384,
159.2386


 14.5366, 8.1737,
53.7366


 85.6287, 64.7253,
198.3450

 8.5790, 4.2063,
37.9994


 110.6655, 86.0693,
243.3810

 4.5225, 1.7896,
25.6804

 140.1608,
111.6548, 294.7649

 2.0018, 0.4807,
16.3611

174.4801,
141.8662, 352.9154

 0.6350, 0.0000,
9.6229

213.9887,

 0.0000, 0.0000,

177.0879, 418.2510

5.0473

259.0519,
217.7042, 491.1902

■ 0.0000, 0.0000,
2.2158

■ 0.0000, 0.0000,
0.6835

■ 33.6166, 22.2982,
97.1399

■ 33.6166, 22.2982,
97.1399

■ 28.5318, 16.5116,
96.2910

■ 40.0363, 29.9170,
98.2721

■ 24.6764, 12.3935,
95.6993

■ 47.8790, 39.5077,
99.7100

■ 21.9324, 9.7536,
95.3344

■ 57.2282, 51.1989,
101.4739

■ 20.1218, 8.2881,
95.1470

■ 68.1601, 65.1073,
103.5823

■ 20.1217, 8.2880,
95.1470

■ 80.7455, 81.3410,
106.0524

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.



22.9202, 22.2982, 122.8105



33.6166, 22.2982, 97.1399



42.5431, 22.2982, 53.4688

Triad

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



33.6166, 22.2982, 97.1399



29.8089, 22.2982, 1.0087



7.6937, 22.2982, 29.4203

Complementary

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



33.6166, 22.2982, 97.1399



66.7724, 87.2304, 25.8885

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.



8.5375, 22.2982, 8.2907



33.6166, 22.2982, 97.1399



19.5563, 22.2982, 0.4743

Square

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



33.6166, 22.2982, 97.1399



39.9230, 22.2982, 4.8468



12.2845, 22.2982, 1.7037



9.4879, 22.2982, 68.8674

Rectangle

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



33.6166, 22.2982, 97.1399



45.1668, 22.2982, 28.8611



12.2845, 22.2982, 1.7037



7.6860, 22.2982, 20.2094

Sweetspot

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



33.6176, 22.2989, 97.1400



70.5422, 68.1640, 104.0467



48.9395, 60.8647, 103.7764



14.3616, 13.6444, 22.1266



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.



33.6176, 22.2989, 97.1400



27.6656, 15.5598, 96.1529



50.5915, 31.0493, 97.9344



17.4257, 17.5956, 22.7278



10.6272, 4.3890, 49.7216



1.1292, 0.4760, 4.8456

Inverse Universe

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



58.5153, 35.7725, 69.4635



55.0763, 30.4406, 63.5509



49.4516, 78.3012, 25.0779



18.5885, 18.2187, 21.7162



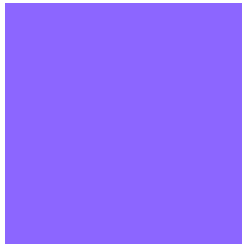
26.5633, 13.1146, 27.4146



2.6299, 1.2943, 2.8983

Previews

White Background



This preview shows how the XYZ color 33.6166, 22.2982, 97.1399 looks on a white background.

Color Contrast Check

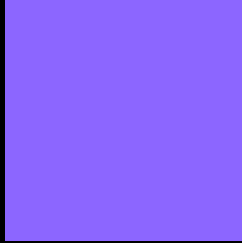
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6166, 22.2982, 97.1399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

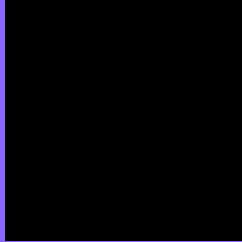
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6166, 22.2982, 97.1399

Background



This preview shows how black text looks on a background with the XYZ color 33.6166, 22.2982, 97.1399.



This preview shows how white text looks on a background with the XYZ color 33.6166, 22.2982,

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

33.6166, 22.2982, 97.1399

Protanopia

26.5559, 22.4916, 97.5494

Deuteranopia

22.6751, 22.2721, 78.7051



Tritanopia

19.9771, 22.1682, 29.6115

Trichromacy



Original Color

33.6166, 22.2982, 97.1399



Protanomaly

27.8046, 21.6919, 97.3292



Deuteranomaly

23.9308, 20.6698, 85.1665



Tritanomaly

23.6373, 21.5173, 48.2548

Monochromacy



Original Color

33.6166, 22.2982, 97.1399



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.3845, 21.6359, 43.9652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6166, 22.2982, 97.1399 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(140, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.6166, 22.2982, 97.1399 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(140, 102, 255) }
```


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

```
.border{ border-color:rgb(140, 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(140, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 102, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 102, 255); box-shadow:4px 4px 4px 4px rgb(140, 102, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6166, 22.2982, 97.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 102, 255) }
```

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

```
.background{ background-color: rgb(140,  
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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