

Converting Colors

XYZ(34.0322, 22.8384,
100.6874)

Have a look what the booklet for
XYZ(34.0322, 22.8384, 100.6874)
contains.

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Color

**XYZ(33.4181, 22.6415,
97.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	8969FF
RGB	137, 105, 255
RGB Percent	54%, 41%, 100%
CMY	0.4627, 0.5882, 0.0000
CMYK	0.46, 0.59, 0.00, 0.00
HSL	253°, 100%, 71%
HSV	253°, 59%, 100%
XYZ	33.4181, 22.6415, 97.2167
YIQ	131.6680, -29.0780, 53.4340

Conversions

Conversions Part 2

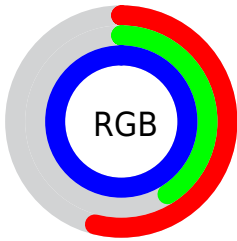
Format	Color
R_{YB}	137, 105, 255
Decimal	9005567
CIE _{Lab}	54.70, 48.15, -70.69
CIE _{LCh}	55, 85.530, 304.263
Yxy	22.6415, 0.2180, 0.1477
Android (android.graphics.Color)	4287195647 (0xFF8969FF)
YUV	131.6680, 60.8027, 4.6762
Hunter-Lab	47.5831, 42.0920, -87.8269

Details

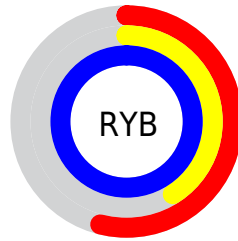
The XYZ color **33.4181, 22.6415, 97.2167** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.7400, 88.2272, 26.7715**, and the grayscale version is **21.6096, 22.7350, 24.7584**.

A 20% lighter version of the original color is **53.1329, 43.2043, 100.1466**, and **14.3939, 8.3554, 53.6774** is the 20% darker color. If you saturate the color by 10%, you get **28.2111, 16.6627, 96.3371**, and if you desaturate by 10%, it is **40.0167, 30.4935, 98.3845**.

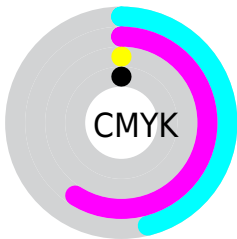
Distribution



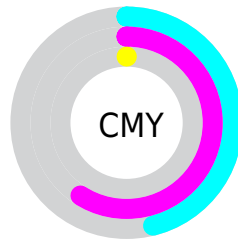
- Red (54%)
- Green (41%)
- Blue (100%)



- Red (54%)
- Yellow (41%)
- Blue (100%)



- Cyan (46%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4181, 22.6415, 97.2167 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 33.4181, 22.6415, 97.2167 by changing the saturation by 10% instead.

 33.4181, 22.6415,
97.2167

 33.4181, 22.6415,
97.2167

309.1613,
265.8783, 572.4020


 22.6077, 14.3290,
73.3743


 64.3781, 47.8040,
159.3454


 14.4232, 8.3499,
53.7884


 85.2583, 65.4228,
198.4686

 8.4993, 4.3196,
38.0405


 110.2259, 86.9125,
243.5226

 4.4705, 1.8539,
25.7120

 139.6462,
112.6575, 294.9259

 1.9716, 0.5204,
16.3845

173.8845,
143.0422, 353.0969

 0.6179, 0.0000,
9.6393

213.3062,

 0.0000, 0.0000,

178.4509, 418.4542

5.0580

258.2767,
219.2682, 491.4164

■ 0.0000, 0.0000,
2.2220

■ 0.0000, 0.0000,
0.6870

■ 33.4181, 22.6415,
97.2167

■ 33.4181, 22.6415,
97.2167

■ 28.2111, 16.6627,
96.3371

■ 40.0167, 30.4935,
98.3845

■ 24.2869, 12.3936,
95.7199

■ 48.0983, 40.3589,
99.8627

■ 21.5239, 9.6451,
95.3350

■ 57.7499, 52.3669,
101.6718

■ 19.7567, 8.1482,
95.1392

■ 69.0504, 66.6350,
103.8302

■ 19.5933, 8.0156,
95.1222

■ 82.0737, 83.2722,
106.3551

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.



22.8954, 22.6415, 121.0566



33.4181, 22.6415, 97.2167



42.3163, 22.6415, 54.7492

Triad

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



33.4181, 22.6415, 97.2167



30.3860, 22.6415, 1.2281



8.0362, 22.6415, 28.7153

Complementary

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



33.4181, 22.6415, 97.2167



68.7400, 88.2272, 26.7715

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.



8.9768, 22.6415, 8.2874



33.4181, 22.6415, 97.2167



20.2009, 22.6415, 0.6305

Square

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



33.4181, 22.6415, 97.2167



40.2371, 22.6415, 5.4585



12.8458, 22.6415, 1.8280



9.7500, 22.6415, 66.9289

Rectangle

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



33.4181, 22.6415, 97.2167



45.0520, 22.6415, 30.2120



12.8458, 22.6415, 1.8280



8.0573, 22.6415, 19.8211

Sweetspot

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



33.4191, 22.6422, 97.2167



70.0564, 67.9136, 104.0240



50.8011, 64.0739, 104.2977



14.2449, 13.5842, 22.1212



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.



33.4191, 22.6422, 97.2167



27.2515, 15.5938, 96.1813



49.6801, 31.0250, 97.9777



17.3652, 17.5645, 22.7250



10.3382, 4.2400, 49.7081



1.0933, 0.4575, 4.8440

Inverse Universe

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



59.6104, 36.6908, 73.7492



56.1281, 31.1279, 68.2672



50.8877, 79.0240, 25.9360



18.6169, 18.2301, 21.8658



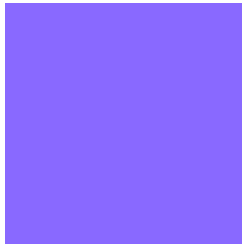
27.0897, 13.3252, 30.1863



2.6771, 1.3132, 3.1468

Previews

White Background



This preview shows how the XYZ color 33.4181, 22.6415, 97.2167 looks on a white background.

Color Contrast Check

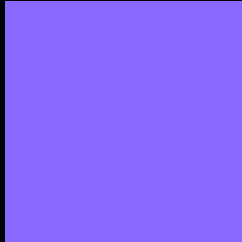
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4181, 22.6415, 97.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

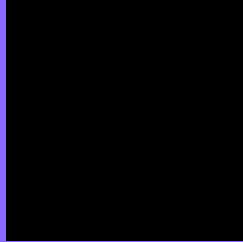
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4181, 22.6415, 97.2167

Background



This preview shows how black text looks on a background with the XYZ color 33.4181, 22.6415, 97.2167.



This preview shows how white text looks on a background with the XYZ color 33.4181, 22.6415,

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

33.4181, 22.6415, 97.2167

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

23.0955, 22.6582, 80.2470



Tritanopia

20.0366, 22.5914, 30.4987

Trichromacy



Original Color

33.4181, 22.6415, 97.2167

Protanomaly

28.0081, 21.9707, 97.3723

Deuteranomaly

24.2755, 21.1949, 86.0307

Tritanomaly

23.6783, 21.8824, 49.4301

Monochromacy



Original Color

33.4181, 22.6415, 97.2167

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.7269, 22.1617, 44.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4181, 22.6415, 97.2167 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(137, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 105, 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(137, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.4181, 22.6415, 97.2167 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(137, 105, 255) }
```


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

```
.border{ border-color:rgb(137, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4181, 22.6415, 97.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 105, 255) }
```

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

```
.background{ background-color: rgb(137,  
105, 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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