

Converting Colors

XYZ(38.1500, 23.9823,
124.6797)

Have a look what the booklet for
XYZ(38.1500, 23.9823, 124.6797)
contains.

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Color

**XYZ(32.9547, 21.9570,
97.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	8866FF
RGB	136, 102, 255
RGB Percent	53%, 40%, 100%
CMY	0.4666, 0.6000, 0.0000
CMYK	0.47, 0.60, 0.00, 0.00
HSL	253°, 100%, 70%
HSV	253°, 60%, 100%
XYZ	32.9547, 21.9570, 97.1090
YIQ	129.6080, -28.8490, 54.7910

Conversions

Conversions Part 2

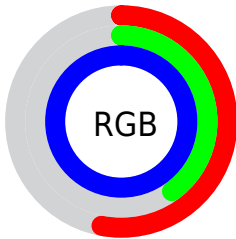
Format	Color
R _Y B	136, 102, 255
Decimal	8939263
CIE _{Lab}	53.98, 49.62, -71.86
CIE _{LCh}	54, 87.323, 304.625
Y _{xy}	21.9570, 0.2168, 0.1444
Android (android.graphics.Color)	4287129343 (0xFF8866FF)
Y _{UV}	129.6080, 61.8183, 5.6058
Hunter-Lab	46.8583, 43.5342, -90.0716

Details

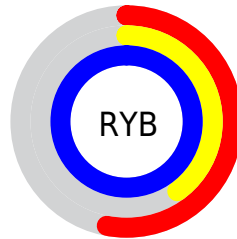
The XYZ color **32.9547, 21.9570, 97.1090** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.9759, 87.8509, 25.9449**, and the grayscale version is **20.8773, 21.9645, 23.9193**.

A 20% lighter version of the original color is **52.3706, 42.0670, 99.9672**, and **14.1752, 8.0333, 53.6268** is the 20% darker color. If you saturate the color by 10%, you get **27.8945, 16.1831, 96.2612**, and if you desaturate by 10%, it is **39.3832, 29.5803, 98.2416**.

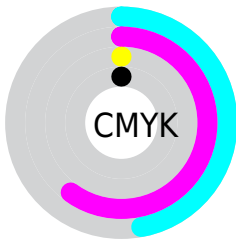
Distribution



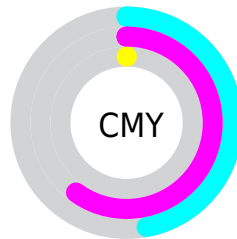
- Red (53%)
- Green (40%)
- Blue (100%)



- Red (53%)
- Yellow (40%)
- Blue (100%)



- Cyan (47%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9547, 21.9570, 97.1090 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 32.9547, 21.9570, 97.1090 by changing the saturation by 10% instead.

■ 32.9547, 21.9570,
97.1090

■ 32.9547, 21.9570,
97.1090

307.1142,
262.3216, 572.0508

■ 22.2508, 13.8253,
73.2850

■ 63.6599, 46.6749,
159.1956

■ 14.1589, 7.9993,
53.7158

■ 84.3920, 64.0299,
198.2953

■ 8.3137, 4.0945,
37.9829

■ 109.1975, 85.2282,
243.3240

■ 4.3498, 1.7266,
25.6677

■ 138.4418,
110.6540, 294.7002

■ 1.9019, 0.4408,
16.3516

172.4903,
140.6919, 352.8424

■ 0.5779, 0.0000,
9.6163

211.7083,

■ 0.0000, 0.0000,

175.7262, 418.1692

5.0430

256.4611,
216.1413, 491.0992

■ 0.0000, 0.0000,
2.2133

■ 0.0000, 0.0000,
0.6821

■ 32.9547, 21.9570,
97.1090

■ 32.9547, 21.9570,
97.1090

■ 27.8945, 16.1831,
96.2612

■ 39.3832, 29.5803,
98.2416

■ 24.0936, 12.0930,
95.6721

■ 47.2715, 39.1946,
99.6816

■ 21.4294, 9.4942,
95.3109

■ 56.7062, 50.9298,
101.4494

■ 19.7189, 8.0803,
95.1281

■ 67.7661, 64.9042,
103.5638

■ 19.7188, 8.0803,
95.1281

■ 80.5247, 81.2272,
106.0421

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.



22.3653, 21.9570, 121.9421



32.9547, 21.9570, 97.1090



41.9021, 21.9570, 53.7640

Triad

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



32.9547, 21.9570, 97.1090



29.6400, 21.9570, 0.9911



7.5154, 21.9570, 28.3419

Complementary

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



32.9547, 21.9570, 97.1090



67.9759, 87.8509, 25.9449

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.



8.4034, 21.9570, 7.8488



32.9547, 21.9570, 97.1090



19.4419, 21.9570, 0.4218

Square

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



32.9547, 21.9570, 97.1090



39.6189, 21.9570, 4.8796



12.1722, 21.9570, 1.5818



9.2258, 21.9570, 67.1922

Rectangle

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



32.9547, 21.9570, 97.1090



44.6147, 21.9570, 29.1069



12.1722, 21.9570, 1.5818



7.5258, 21.9570, 19.3673

Sweetspot

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



32.9557, 21.9576, 97.1090



70.1792, 67.9769, 104.0297



49.6111, 62.2079, 104.0003



14.2744, 13.5994, 22.1226



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.



32.9557, 21.9576, 97.1090



27.0370, 15.2357, 96.1235



49.8522, 30.6681, 97.8998



17.3805, 17.5724, 22.7257



10.4072, 4.2756, 49.7113



1.1020, 0.4620, 4.8444

Inverse Universe

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



59.0421, 35.9832, 72.2374



55.6813, 30.6825, 66.7365



49.8973, 78.5310, 25.0988



18.6097, 18.2272, 21.8278



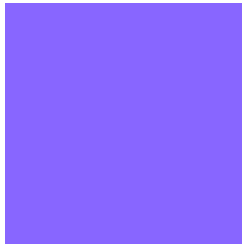
26.9532, 13.2706, 29.4679



2.6649, 1.3083, 3.0826

Previews

White Background



This preview shows how the XYZ color 32.9547, 21.9570, 97.1090 looks on a white background.

Color Contrast Check

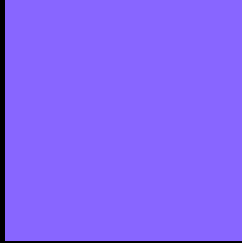
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9547, 21.9570, 97.1090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

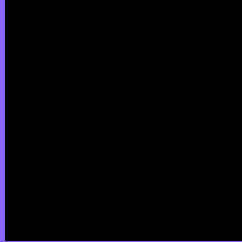
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9547, 21.9570, 97.1090

Background



This preview shows how black text looks on a background with the XYZ color 32.9547, 21.9570, 97.1090.

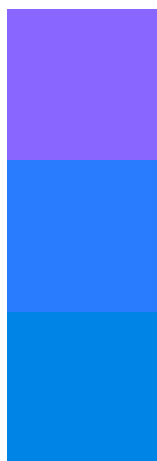


This preview shows how white text looks on a background with the XYZ color 32.9547, 21.9570,

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

32.9547, 21.9570, 97.1090

Protanopia

26.2125, 22.1275, 97.4972

Deuteranopia

22.3941, 22.1597, 77.2257



Tritanopia

19.3654, 21.8528, 29.5829

Trichromacy



Original Color

32.9547, 21.9570, 97.1090

Protanomaly

27.2759, 21.2473, 97.2713

Deuteranomaly

23.5366, 20.5008, 83.6054

Tritanomaly

22.9474, 21.1617, 48.2226

Monochromacy



Original Color

32.9547, 21.9570, 97.1090

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.9701, 21.4336, 43.4312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9547, 21.9570, 97.1090 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(136, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.9547, 21.9570, 97.1090 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(136, 102, 255) }
```


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

```
.border{ border-color:rgb(136, 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(136, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9547, 21.9570, 97.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 102, 255) }
```

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

```
.background{ background-color: rgb(136,  
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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