

Converting Colors

XYZ(32.1480, 21.5411, 97.0712)

Have a look what the booklet for
XYZ(32.1480, 21.5411, 97.0712)
contains.

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Color

**XYZ(32.1614, 21.5480,
97.0718)**

Conversions

Conversions Part 1

Format	Color
Hex	8366FF
RGB	131, 102, 255
RGB Percent	51%, 40%, 100%
CMY	0.4863, 0.6000, 0.0000
CMYK	0.49, 0.60, 0.00, 0.00
HSL	251°, 100%, 70%
HSV	251°, 60%, 100%
XYZ	32.1614, 21.5480, 97.0718
YIQ	128.1130, -31.8290, 53.7310

Conversions

Conversions Part 2

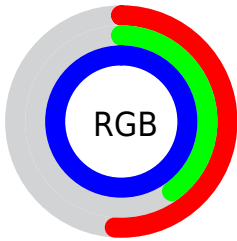
Format	Color
RYB	131, 102, 255
Decimal	8611583
CIELab	53.54, 48.66, -72.59
CIElCh	54, 87.387, 303.837
Yxy	21.5480, 0.2133, 0.1429
Android (android.graphics.Color)	4286801663 (0xFF8366FF)
YUV	128.1130, 62.5553, 2.5319
Hunter-Lab	46.4198, 42.4368, -91.4917

Details

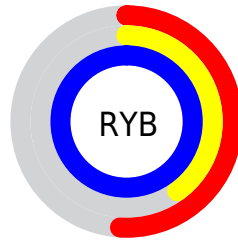
The XYZ color **32.1614, 21.5480, 97.0718** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **69.5209, 88.6473, 26.0171**, and the grayscale version is **20.3557, 21.4158, 23.3218**.

A 20% lighter version of the original color is **51.0915, 41.4076, 99.9074**, and **13.6659, 7.7707, 53.6029** is the 20% darker color. If you saturate the color by 10%, you get **27.1418, 15.7950, 96.2259**, and if you desaturate by 10%, it is **38.5917, 29.1721, 98.2045**.

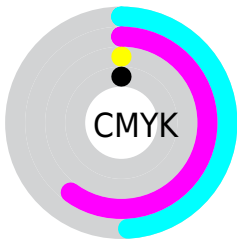
Distribution



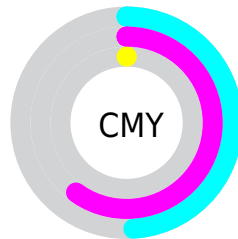
- Red (51%)
- Green (40%)
- Blue (100%)



- Red (51%)
- Yellow (40%)
- Blue (100%)



- Cyan (49%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1614, 21.5480, 97.0718 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 32.1614, 21.5480, 97.0718 by changing the saturation by 10% instead.

 32.1614, 21.5480,
97.0718


 32.1614, 21.5480,
97.0718


303.5861,
260.1766, 571.9295

 21.6410, 13.5252,
73.2542


 62.4275, 45.9978,
159.1439

 13.7084, 7.7912,
53.6907


 82.9039, 63.1935,
198.2354

 7.9985, 3.9616,
37.9630


 107.4296, 84.2157,
243.2553

 4.1458, 1.6521,
25.6523

 136.3701,
109.4487, 294.6222

 1.7849, 0.3924,
16.3403

170.0906,
139.2769, 352.7545

 0.5086, 0.0000,
9.6083

208.9565,

 0.0000, 0.0000,

174.0847, 418.0707

5.0379

253.3332,
214.2565, 490.9896

■ 0.0000, 0.0000,
2.2104

■ 0.0000, 0.0000,
0.6803

■ 32.1614, 21.5480,
97.0718

■ 32.1614, 21.5480,
97.0718

■ 27.1418, 15.7950,
96.2259

■ 38.5917, 29.1721,
98.2045

■ 23.4186, 11.7451,
95.6405

■ 46.5287, 38.8116,
99.6468

■ 20.8632, 9.2024,
95.2844

■ 56.0633, 50.5983,
101.4193

■ 19.2851, 7.8567,
95.1078

■ 67.2781, 64.6525,
103.5410

■ 19.2851, 7.8567,
95.1078

■ 80.2498, 81.0853,
106.0291

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.



21.7029, 21.5480, 120.8871



32.1614, 21.5480, 97.0718



41.1310, 21.5480, 54.1282

Triad

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



32.1614, 21.5480, 97.0718



29.4373, 21.5480, 0.9706



7.3033, 21.5480, 27.0651

Complementary

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



32.1614, 21.5480, 97.0718



69.5209, 88.6473, 26.0171

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.



8.2437, 21.5480, 7.3333



32.1614, 21.5480, 97.0718



19.3053, 21.5480, 0.3584

Square

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



32.1614, 21.5480, 97.0718



39.2524, 21.5480, 4.9216



12.0382, 21.5480, 1.4419



8.9145, 21.5480, 65.1874

Rectangle

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



32.1614, 21.5480, 97.0718



43.9495, 21.5480, 29.4115



12.0382, 21.5480, 1.4419



7.3352, 21.5480, 18.3746

Sweetspot

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



32.1624, 21.5486, 97.0719



69.7291, 67.7449, 104.0087



50.9850, 64.9557, 104.4583



14.1665, 13.5438, 22.1175



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.



32.1624, 21.5486, 97.0719



26.2971, 14.8543, 96.0889



48.4081, 29.9236, 97.8322



17.3243, 17.5434, 22.7231



10.1680, 4.1523, 49.7001



1.0711, 0.4461, 4.8429

Inverse Universe

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



59.7183, 36.2536, 75.7982



56.4628, 30.9951, 70.8518



50.8191, 79.0062, 25.1418



18.6363, 18.2378, 21.9678



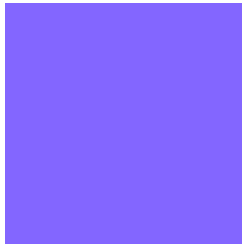
27.4647, 13.4752, 32.1611



2.7104, 1.3265, 3.3225

Previews

White Background



This preview shows how the XYZ color 32.1614, 21.5480, 97.0718 looks on a white background.

Color Contrast Check

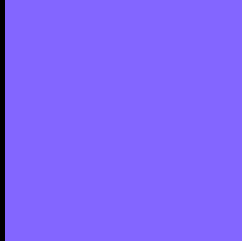
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1614, 21.5480, 97.0718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

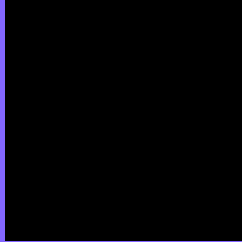
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1614, 21.5480, 97.0718

Background



This preview shows how black text looks on a background with the XYZ color 32.1614, 21.5480, 97.0718.



This preview shows how white text looks on a background with the XYZ color 32.1614, 21.5480,

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

32.1614, 21.5480, 97.0718

Protanopia

25.8605, 21.7610, 97.4450

Deuteranopia

21.8478, 21.5113, 75.6736



Tritanopia

18.5672, 21.4413, 29.5456

Trichromacy



Original Color

32.1614, 21.5480, 97.0718

Protanomaly

26.7793, 20.8211, 97.2152

Deuteranomaly

23.2215, 20.1757, 82.7912

Tritanomaly

22.1668, 20.7593, 48.1860

Monochromacy



Original Color

32.1614, 21.5480, 97.0718

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.2901, 20.9168, 42.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1614, 21.5480, 97.0718 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(131, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.1614, 21.5480, 97.0718 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(131, 102, 255) }
```


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

```
.border{ border-color:rgb(131, 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(131, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1614, 21.5480, 97.0718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 102, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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