

Converting Colors

XYZ(32.1229, 21.2399, 97.0144)

Have a look what the booklet for
XYZ(32.1229, 21.2399, 97.0144)
contains.

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Color

**XYZ(32.1229, 21.2399,
97.0144)**

Conversions

Conversions Part 1

Format	Color
Hex	8464FF
RGB	132, 100, 255
RGB Percent	52%, 39%, 100%
CMY	0.4823, 0.6078, 0.0000
CMYK	0.48, 0.61, 0.00, 0.00
HSL	252°, 100%, 70%
HSV	252°, 61%, 100%
XYZ	32.1229, 21.2399, 97.0144
YIQ	127.2380, -30.6830, 54.9890

Conversions

Conversions Part 2

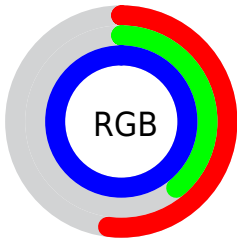
Format	Color
R_{YB}	132, 100, 255
Decimal	8676607
CIE _{Lab}	53.21, 49.96, -73.12
CIE _{LCh}	53, 88.558, 304.341
Yxy	21.2399, 0.2136, 0.1412
Android (android.graphics.Color)	4286866687 (0xFF8464FF)
YUV	127.2380, 62.9867, 4.1763
Hunter-Lab	46.0868, 43.7643, -92.5470

Details

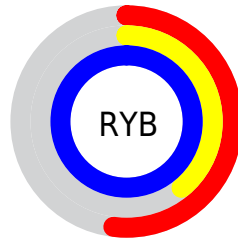
The XYZ color **32.1229, 21.2399, 97.0144** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.4903, 88.1274, 25.4573**, and the grayscale version is **20.0534, 21.0977, 22.9754**.

A 20% lighter version of the original color is **51.0165, 40.8829, 99.8101**, and **13.6458, 7.6278, 53.5764** is the 20% darker color. If you saturate the color by 10%, you get **27.1853, 15.6145, 96.1888**, and if you desaturate by 10%, it is **38.4411, 28.7130, 98.1238**.

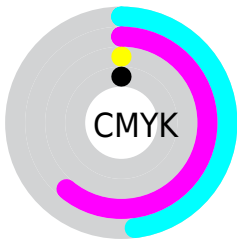
Distribution



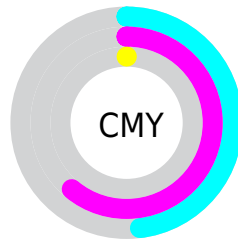
- Red (52%)
- Green (39%)
- Blue (100%)



- Red (52%)
- Yellow (39%)
- Blue (100%)



- Cyan (48%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1229, 21.2399, 97.0144 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 32.1229, 21.2399, 97.0144 by changing the saturation by 10% instead.

 32.1229, 21.2399,
97.0144


 32.1229, 21.2399,
97.0144


303.4141,
258.5507, 571.7422

 21.6114, 13.2995,
73.2066


 62.3676, 45.4865,
159.0641


 13.6866, 7.6351,
53.6520


 82.8315, 62.5614,
198.1430

 7.9833, 3.8624,
37.9323


 107.3436, 83.4499,
243.1494

 4.1360, 1.5969,
25.6287

 136.2692,
108.5365, 294.5018

 1.7793, 0.3555,
16.3228

169.9737,
138.2054, 352.6188

 0.5052, 0.0000,
9.5960

208.8224,

 0.0000, 0.0000,

172.8412, 417.9188

5.0299

253.1808,
212.8281, 490.8204

■ 0.0000, 0.0000,
2.2058

■ 0.0000, 0.0000,
0.6777

■ 32.1229, 21.2399,
97.0144

■ 32.1229, 21.2399,
97.0144

■ 27.1853, 15.6145,
96.1888

■ 38.4411, 28.7130,
98.1238

■ 23.5158, 11.6682,
95.6205

■ 46.2345, 38.1780,
99.5400

■ 20.9871, 9.2039,
95.2781

■ 55.5921, 49.7668,
101.2837

■ 19.5000, 7.9675,
95.1179

■ 66.5952, 63.5993,
103.3737

■ 79.3191, 79.7864,
105.8275

■ 93.8344, 98.4315,
108.6613

■ 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.



21.5794, 21.2399, 121.8325



32.1229, 21.2399, 97.0144



41.1164, 21.2399, 53.3549

Triad

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



32.1229, 21.2399, 97.0144



29.0165, 21.2399, 0.8332



7.0438, 21.2399, 27.2466

Complementary

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



32.1229, 21.2399, 97.0144



68.4903, 88.1274, 25.4573

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.



7.9318, 21.2399, 7.2283



32.1229, 21.2399, 97.0144



18.8575, 21.2399, 0.2404

Square

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



32.1229, 21.2399, 97.0144



38.9686, 21.2399, 4.5440



11.6496, 21.2399, 1.3427



8.6844, 21.2399, 66.0289

Rectangle

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



32.1229, 21.2399, 97.0144



43.8842, 21.2399, 28.5849



11.6496, 21.2399, 1.3427



7.0617, 21.2399, 18.4116

Sweetspot

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



32.1239, 21.2405, 97.0145



69.9615, 67.8646, 104.0196



49.9613, 63.2408, 104.1812



14.2222, 13.5725, 22.1201



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.



32.1239, 21.2405, 97.0145



26.2668, 14.6014, 96.0417



48.7606, 29.8171, 97.7930



17.3533, 17.5584, 22.7244



10.2869, 4.2136, 49.7057



1.0867, 0.4541, 4.8437

Inverse Universe

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



59.1159, 35.7020, 73.5842



55.8265, 30.4849, 68.2900



50.0036, 78.5971, 24.5921



18.6225, 18.2323, 21.8953



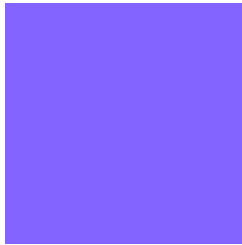
27.1967, 13.3680, 30.7497



2.6866, 1.3170, 3.1970

Previews

White Background



This preview shows how the XYZ color 32.1229, 21.2399, 97.0144 looks on a white background.

Color Contrast Check

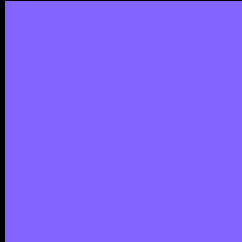
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1229, 21.2399, 97.0144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

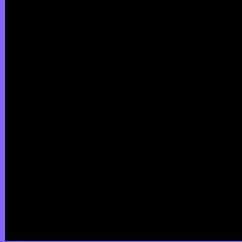
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1229, 21.2399, 97.0144

Background



This preview shows how black text looks on a background with the XYZ color 32.1229, 21.2399, 97.0144.



This preview shows how white text looks on a background with the XYZ color 32.1229, 21.2399,

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

32.1229, 21.2399, 97.0144

Protanopia

25.5746, 21.4304, 97.3963

Deuteranopia

21.5732, 21.4015, 74.2280



Tritanopia

18.3893, 21.1648, 28.7072

Trichromacy



Original Color

32.1229, 21.2399, 97.0144



Protanomaly

26.4512, 20.4836, 97.1673



Deuteranomaly

22.9561, 19.8782, 81.9838



Tritanomaly

21.9458, 20.2966, 47.5607

Monochromacy



Original Color

32.1229, 21.2399, 97.0144



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.0545, 20.4457, 42.7757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1229, 21.2399, 97.0144 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(132, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 100, 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(132, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 100, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.1229, 21.2399, 97.0144 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(132, 100, 255) }
```


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

```
.border{ border-color:rgb(132, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 100,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1229, 21.2399, 97.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 100, 255) }
```

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

```
.background{ background-color: rgb(132,  
100, 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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