

Converting Colors

XYZ(34.6126, 21.7480, 96.9812)

Have a look what the booklet for
XYZ(34.6126, 21.7480, 96.9812)
contains.

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Color

**XYZ(34.6304, 21.7094,
96.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	965EFF
RGB	150, 94, 255
RGB Percent	59%, 37%, 100%
CMY	0.4117, 0.6314, 0.0000
CMYK	0.41, 0.63, 0.00, 0.00
HSL	261°, 100%, 68%
HSV	261°, 63%, 100%
XYZ	34.6304, 21.7094, 96.9729
YIQ	129.0980, -18.3050, 61.9430

Conversions

Conversions Part 2

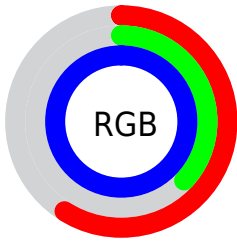
Format	Color
R _Y B	150, 94, 255
Decimal	9854719
CIE Lab	53.72, 56.61, -72.22
CIE LCh	54, 91.765, 308.091
Yxy	21.7094, 0.2259, 0.1416
Android (android.graphics.Color)	4288044799 (0xFF965EFF)
YUV	129.0980, 62.0697, 18.3311
Hunter-Lab	46.5933, 51.1314, -90.7826

Details

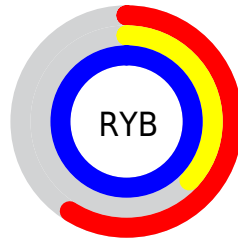
The XYZ color **34.6304, 21.7094, 96.9729** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **61.3326, 84.4697, 23.6616**, and the grayscale version is **20.6955, 21.7733, 23.7111**.

A 20% lighter version of the original color is **55.0621, 41.7891, 99.7718**, and **15.1225, 7.8608, 53.5436** is the 20% darker color. If you saturate the color by 10%, you get **29.8797, 16.4322, 96.2046**, and if you desaturate by 10%, it is **40.5659, 28.7090, 98.0111**.

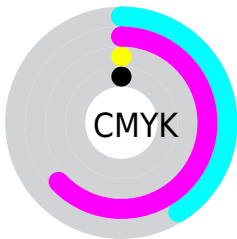
Distribution



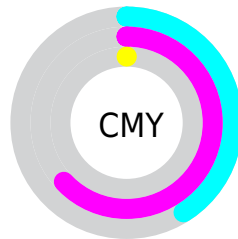
- Red (59%)
- Green (37%)
- Blue (100%)



- Red (59%)
- Yellow (37%)
- Blue (100%)



- Cyan (41%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6304, 21.7094, 96.9729 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 34.6304, 21.7094, 96.9729 by changing the saturation by 10% instead.


 34.6304, 21.7094,
96.9729

 34.6304, 21.7094,
96.9729


314.4706,
261.0249, 571.6068


 23.5435, 13.6435,
73.1722


 66.2506, 46.2652,
159.0064


 15.1182, 7.8732,
53.6241


 87.5146, 63.5240,
198.0762

 8.9893, 4.0139,
37.9101


 112.9017, 84.6158,
243.0729

 4.7912, 1.6813,
25.6116

 142.7772,
109.9251, 294.4148

 2.1588, 0.4115,
16.3102

177.5065,
139.8363, 352.5207

 0.7209, 0.0000,
9.5872

217.4549,

 0.0000, 0.0000,

174.7337, 417.8089

5.0241

262.9878,
215.0018, 490.6981

■ 0.0000, 0.0000,
2.2024

■ 0.0000, 0.0000,
0.6758

■ 34.6304, 21.7094,
96.9729

■ 34.6304, 21.7094,
96.9729

■ 29.8797, 16.4322,
96.2046

■ 40.5659, 28.7090,
98.0111

■ 26.2159, 12.7121,
95.6797

■ 47.7669, 37.5708,
99.3420

■ 23.5266, 10.3525,
95.3660

■ 56.3100, 48.4224,
100.9863

■ 22.1413, 9.3292,
95.2415

■ 66.2641, 61.3791,
102.9626

■ 77.6934, 76.5473,
105.2880

■ 90.6578, 94.0261,
107.9784

■ 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.



23.4106, 21.7094, 127.9527



34.6304, 21.7094, 96.9729



43.6099, 21.7094, 50.1390

Triad

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



34.6304, 21.7094, 96.9729



28.5218, 21.7094, 0.5229



7.0071, 21.7094, 32.1052

Complementary

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



34.6304, 21.7094, 96.9729



61.3326, 84.4697, 23.6616

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.



7.5958, 21.7094, 8.6453



34.6304, 21.7094, 96.9729



18.0864, 21.7094, 0.1234

Square

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



34.6304, 21.7094, 96.9729



39.3735, 21.7094, 3.5000



11.0316, 21.7094, 1.5033



9.0459, 21.7094, 75.2337

Rectangle

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



34.6304, 21.7094, 96.9729



45.8793, 21.7094, 25.4877



11.0316, 21.7094, 1.5033



6.9210, 21.7094, 21.8797

Sweetspot

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



34.6314, 21.7101, 96.9729



70.8098, 67.3800, 103.8813



43.6307, 51.5288, 102.2542



14.4777, 13.5253, 22.0975



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.



34.6314, 21.7101, 96.9729



28.7241, 15.2158, 96.0308



54.1006, 31.7469, 97.8841



17.5989, 17.6850, 22.7359



11.7139, 4.9492, 49.7725



1.2531, 0.5399, 4.8514

Inverse Universe

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



55.5511, 33.3889, 57.5473



51.9520, 28.2319, 50.0545



45.6423, 76.3811, 22.9273



18.5085, 18.1867, 21.2951



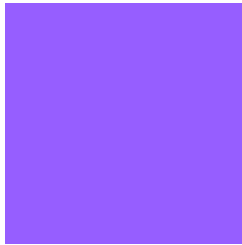
25.2328, 12.5824, 20.4082



2.5085, 1.2458, 2.2590

Previews

White Background



This preview shows how the XYZ color 34.6304, 21.7094, 96.9729 looks on a white background.

Color Contrast Check

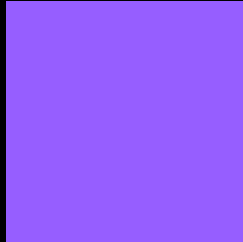
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6304, 21.7094, 96.9729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

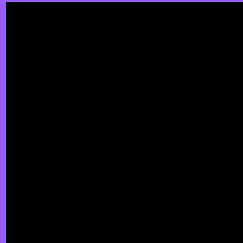
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6304, 21.7094, 96.9729

Background



This preview shows how black text looks on a background with the XYZ color 34.6304, 21.7094, 96.9729.



This preview shows how white text looks on a background with the XYZ color 34.6304, 21.7094,

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

34.6304, 21.7094, 96.9729

Protanopia

26.0944, 22.0666, 97.4917

Deuteranopia

22.2592, 21.8897, 77.1807



Tritanopia

20.4750, 21.4843, 27.1125

Trichromacy



Original Color

34.6304, 21.7094, 96.9729



Protanomaly

27.1796, 20.6925, 97.1693



Deuteranomaly

23.4866, 19.9421, 83.5003



Tritanomaly

24.2587, 20.8135, 46.4549

Monochromacy



Original Color

34.6304, 21.7094, 96.9729



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

24.2998, 20.9043, 43.3116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6304, 21.7094, 96.9729 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(150, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 94, 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(150, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.6304, 21.7094, 96.9729 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(150, 94, 255) }
```


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

```
.border{ border-color:rgb(150, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 94, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 94, 255); box-shadow:4px 4px 4px 4px rgb(150, 94, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6304, 21.7094, 96.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 94, 255) }
```

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

```
.background{ background-color: rgb(150, 94,  
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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