

# Converting Colors

XYZ(31.5885, 21.4743, 97.0874)

Have a look what the booklet for  
XYZ(31.5885, 21.4743, 97.0874)  
contains.

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# Color

**XYZ(31.6045, 21.5562,  
97.1028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7E68FF
RGB	126, 104, 255
RGB Percent	49%, 41%, 100%
CMY	0.5059, 0.5922, 0.0000
CMYK	0.51, 0.59, 0.00, 0.00
HSL	249°, 100%, 70%
HSV	249°, 59%, 100%
XYZ	31.6045, 21.5562, 97.1028
YIQ	127.7920, -35.3590, 51.6250

# Conversions

## Conversions Part 2

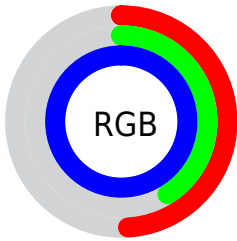
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 104, 255
Decimal	8284415
CIE Lab	53.55, 46.60, -72.59
CIE LCh	54, 86.261, 302.698
Yxy	21.5562, 0.2103, 0.1435
Android (android.graphics.Color)	4286474495 (0xFF7E68FF)
YUV	127.7920, 62.7135, -1.5716
Hunter-Lab	46.4287, 40.2568, -91.5015

# Details

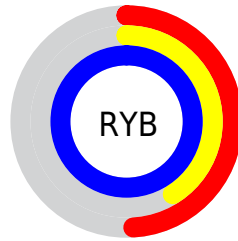
The XYZ color **31.6045, 21.5562, 97.1028** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.8611, 89.8422, 26.6506**, and the grayscale version is **20.2454, 21.2998, 23.1954**.

A 20% lighter version of the original color is **50.1882, 41.4360, 99.9605**, and **13.3687, 7.7557, 53.6157** is the 20% darker color. If you saturate the color by 10%, you get **26.5449, 15.6965, 96.2384**, and if you desaturate by 10%, it is **38.1411, 29.3290, 98.2586**.

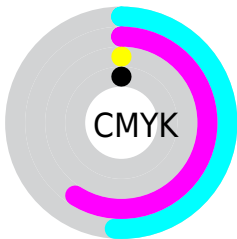
# Distribution



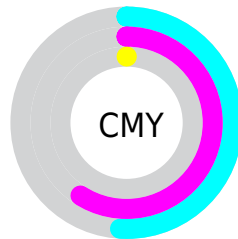
- Red (49%)
- Green (41%)
- Blue (100%)



- Red (49%)
- Yellow (41%)
- Blue (100%)



- Cyan (51%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (59%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6045, 21.5562, 97.1028 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 31.6045, 21.5562, 97.1028 by changing the saturation by 10% instead.




 31.6045, 21.5562,  
97.1028


 31.6045, 21.5562,  
97.1028


301.0911,  
260.2198, 572.0306


 21.2137, 13.5312,  
73.2798


 61.5599, 46.0114,  
159.1870

 13.3936, 7.7953,  
53.7116

 81.8553, 63.2103,  
198.2853

 7.7790, 3.9643,  
37.9795


 106.1828, 84.2360,  
243.3125

 4.0045, 1.6536,  
25.6651

 134.9079,  
109.4729, 294.6872

 1.7047, 0.3933,  
16.3498

168.3959,  
139.3053, 352.8277

 0.4592, 0.0000,  
9.6150

207.0122,

 0.0000, 0.0000,

174.1177, 418.1528

5.0422

251.1221,  
214.2944, 491.0809

■ 0.0000, 0.0000,  
2.2129

■ 0.0000, 0.0000,  
0.6818

■ 31.6045, 21.5562,  
97.1028

■ 31.6045, 21.5562,  
97.1028

■ 26.5449, 15.6965,  
96.2384

■ 38.1411, 29.3290,  
98.2586

■ 22.8411, 11.5798,  
95.6390

■ 46.2570, 39.1615,  
99.7287

■ 20.3568, 9.0082,  
95.2736

■ 56.0484, 51.1877,  
101.5339

■ 18.9035, 7.6922,  
95.0962

■ 67.6030, 65.5301,  
103.6933

■ 18.8188, 7.6163,  
95.0860

■ 81.0024, 82.3018,  
106.2243

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.



21.3324, 21.5562, 119.1260



31.6045, 21.5562, 97.1028



40.5646, 21.5562, 55.2117

# Triad

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



31.6045, 21.5562, 97.1028



29.7183, 21.5562, 1.1024



7.4135, 21.5562, 25.9369

# Complementary

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



31.6045, 21.5562, 97.1028



71.8611, 89.8422, 26.6506

# 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.



8.4487, 21.5562, 7.0610



31.6045, 21.5562, 97.1028



19.6672, 21.5562, 0.4311

# Square

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



31.6045, 21.5562, 97.1028



39.2661, 21.5562, 5.3645



12.3426, 21.5562, 1.4428



8.9184, 21.5562, 62.8428



# Rectangle

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



31.6045, 21.5562, 97.1028



43.5135, 21.5562, 30.5151



12.3426, 21.5562, 1.4428



7.4766, 21.5562, 17.6041

# Sweetspot

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



31.6055, 21.5568, 97.1028



69.1317, 67.4369, 103.9807



53.4292, 69.5035, 105.2072



14.0235, 13.4700, 22.1108



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.



31.6055, 21.5568, 97.1028



25.7881, 14.8394, 96.1128



46.7220, 29.3497, 97.8103



17.2493, 17.5047, 22.7196



9.9069, 4.0177, 49.6879



1.0346, 0.4273, 4.8412



# Inverse Universe

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



60.8975, 37.0436, 81.0270



57.7746, 31.7865, 76.9375



52.6297, 79.9280, 25.7506



18.6721, 18.2522, 22.1566



28.1936, 13.7667, 35.9996

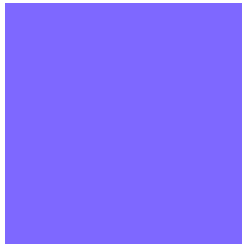


2.7748, 1.3523, 3.6616



# Previews

## White Background



This preview shows how the XYZ color 31.6045, 21.5562, 97.1028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

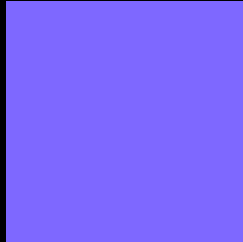
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.6045, 21.5562, 97.1028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

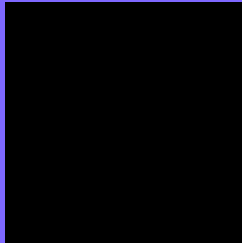
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.6045, 21.5562, 97.1028**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.6045, 21.5562, 97.1028.



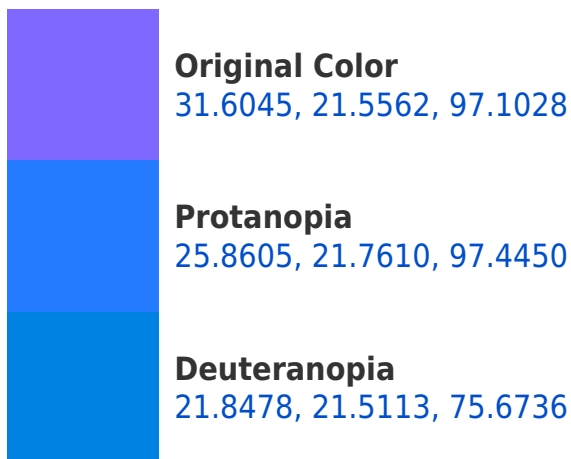
This preview shows how white text looks on a background with the XYZ color 31.6045, 21.5562,



# 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





## Tritanopia

18.0496, 21.3698, 29.9615

# Trichromacy



## Original Color

31.6045, 21.5562, 97.1028



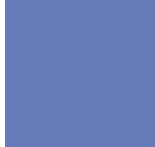
## Protanomaly

26.7496, 20.9760, 97.2467



## Deuteranomaly

23.2501, 20.3700, 82.8272



## Tritanomaly

21.5488, 20.6118, 48.7417

# Monochromacy



## Original Color

31.6045, 21.5562, 97.1028



## Achromatopsia

20.5175, 21.5861, 23.5072



## Achromatomaly

22.9892, 20.7617, 42.8401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.6045, 21.5562, 97.1028 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(126, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 104, 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(126, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 104, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 31.6045, 21.5562, 97.1028 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(126, 104, 255) }
```



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

```
.border{ border-color:rgb(126, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 104,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.6045, 21.5562, 97.1028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 104, 255) }
```

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

```
.background{ background-color: rgb(126,  
104, 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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