

Converting Colors

XYZ(31.5694, 21.7030, 97.1296)

Have a look what the booklet for
XYZ(31.5694, 21.7030, 97.1296)
contains.

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Color

**XYZ(31.5590, 21.6831,
97.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	7D69FF
RGB	125, 105, 255
RGB Percent	49%, 41%, 100%
CMY	0.5098, 0.5882, 0.0000
CMYK	0.51, 0.59, 0.00, 0.00
HSL	248°, 100%, 71%
HSV	248°, 59%, 100%
XYZ	31.5590, 21.6831, 97.1297
YIQ	128.0800, -36.2300, 50.8900

Conversions

Conversions Part 2

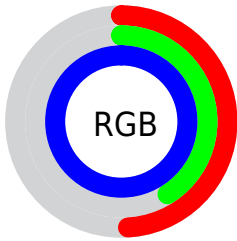
Format	Color
RYB	125, 105, 255
Decimal	8219135
CIELab	53.69, 45.85, -72.37
CIELCh	54, 85.673, 302.352
Yxy	21.6831, 0.2099, 0.1442
Android (android.graphics.Color)	4286409215 (0xFF7D69FF)
YUV	128.0800, 62.5716, -2.7012
Hunter-Lab	46.5651, 39.4875, -91.0768

Details

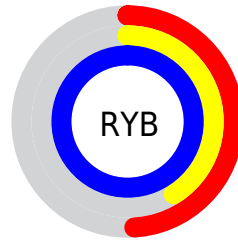
The XYZ color **31.5590, 21.6831, 97.1297** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **72.5691, 90.2012, 26.9506**, and the grayscale version is **20.3454, 21.4049, 23.3099**.

A 20% lighter version of the original color is **50.3567, 41.7730, 100.0167**, and **13.3557, 7.8202, 53.6289** is the 20% darker color. If you saturate the color by 10%, you get **26.4651, 15.7625, 96.2554**, and if you desaturate by 10%, it is **38.1509, 29.5315, 98.2971**.

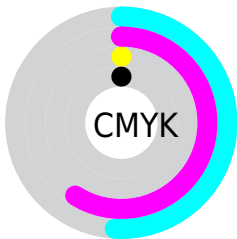
Distribution



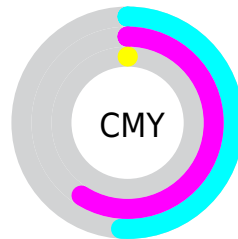
- Red (49%)
- Green (41%)
- Blue (100%)



- 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 31.5590, 21.6831, 97.1297 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 31.5590, 21.6831, 97.1297 by changing the saturation by 10% instead.


 31.5590, 21.6831,
97.1297


 31.5590, 21.6831,
97.1297


300.8865,
260.8869, 572.1183

 21.1788, 13.6242,
73.3021


 61.4890, 46.2217,
159.2244


 13.3680, 7.8598,
53.7297


 81.7694, 63.4702,
198.3286

 7.7612, 4.0054,
37.9939


 106.0807, 84.5506,
243.3622

 3.9930, 1.6766,
25.6762

 134.7881,
109.8475, 294.7435

 1.6982, 0.4084,
16.3580

168.2571,
139.7452, 352.8913

 0.4551, 0.0000,
9.6207

206.8529,

 0.0000, 0.0000,

174.6280, 418.2240

5.0459

250.9409,
214.8805, 491.1602

■ 0.0000, 0.0000,
2.2150

■ 0.0000, 0.0000,
0.6830

■ 31.5590, 21.6831,
97.1297

■ 31.5590, 21.6831,
97.1297

■ 26.4651, 15.7625,
96.2554

■ 38.1509, 29.5315,
98.2971

■ 22.7461, 11.5992,
95.6478

■ 46.3446, 39.4548,
99.7806

■ 20.2636, 8.9954,
95.2760

■ 56.2381, 51.5875,
101.6011

■ 18.8316, 7.6713,
95.0959

■ 67.9204, 66.0524,
103.7773

■ 18.7100, 7.5602,
95.0809

■ 81.4745, 82.9632,
106.3271

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.



21.3415, 21.6831, 118.5549



31.5590, 21.6831, 97.1297



40.5084, 21.6831, 55.6527

Triad

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



31.5590, 21.6831, 97.1297



29.9226, 21.6831, 1.1803



7.5341, 21.6831, 25.7434

Complementary

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



31.5590, 21.6831, 97.1297



72.5691, 90.2012, 26.9506

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.



8.6028, 21.6831, 7.0732



31.5590, 21.6831, 97.1297



19.8938, 21.6831, 0.4870

Square

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



31.5590, 21.6831, 97.1297



39.3832, 21.6831, 5.5843



12.5397, 21.6831, 1.4845



9.0134, 21.6831, 62.2575

Rectangle

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



31.5590, 21.6831, 97.1297



43.4921, 21.6831, 30.9879



12.5397, 21.6831, 1.4845



7.6069, 21.6831, 17.5060

Sweetspot

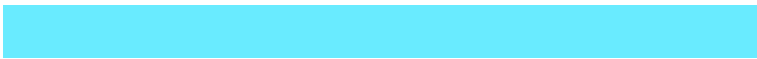
The Sweet Spot groups the original color and five complimentary colors.



31.5600, 21.6837, 97.1297



68.9645, 67.3507, 103.9729



53.5841, 69.6400, 105.2254



13.9835, 13.4494, 22.1089



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.



31.5600, 21.6837, 97.1297



25.5429, 14.7129, 96.1014



46.9211, 29.6027, 97.8486



17.2282, 17.4939, 22.7186



9.8450, 3.9858, 49.6850



1.0247, 0.4222, 4.8408

Inverse Universe

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



61.2863, 37.3611, 82.5746



58.0886, 31.9121, 78.5910



52.8071, 80.0136, 26.0257



18.6823, 18.2562, 22.2101



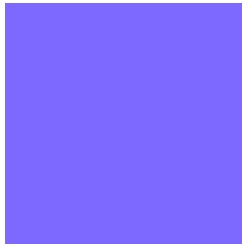
28.4082, 13.8526, 37.1296



2.7937, 1.3598, 3.7609

Previews

White Background



This preview shows how the XYZ color 31.5590, 21.6831, 97.1297 looks on a white background.

Color Contrast Check

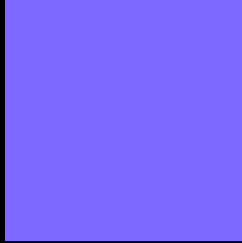
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5590, 21.6831, 97.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

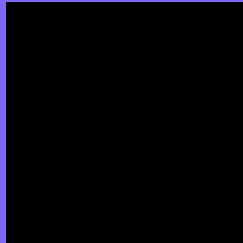
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5590, 21.6831, 97.1297

Background



This preview shows how black text looks on a background with the XYZ color 31.5590, 21.6831, 97.1297.



This preview shows how white text looks on a background with the XYZ color 31.5590, 21.6831,

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

31.5590, 21.6831, 97.1297

Protanopia

25.9323, 21.7980, 97.4484

Deuteranopia

22.1199, 21.8340, 76.4473



Tritanopia

18.1667, 21.6274, 30.4112

Trichromacy



Original Color

31.5590, 21.6831, 97.1297

Protanomaly

26.8212, 21.0129, 97.2500

Deuteranomaly

23.4743, 20.6500, 83.6375

Tritanomaly

21.6641, 20.8440, 49.3359

Monochromacy



Original Color

31.5590, 21.6831, 97.1297

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.1088, 21.0010, 42.8800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5590, 21.6831, 97.1297 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(125, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 105, 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(125, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.5590, 21.6831, 97.1297 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(125, 105, 255) }
```


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

```
.border{ border-color:rgb(125, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5590, 21.6831, 97.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 105, 255) }
```

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

```
.background{ background-color: rgb(125,  
105, 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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