

Converting Colors

XYZ(31.2854, 21.0964, 97.0308)

Have a look what the booklet for
XYZ(31.2854, 21.0964, 97.0308)
contains.

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Color

**XYZ(31.2588, 21.0827,
97.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	7D66FF
RGB	125, 102, 255
RGB Percent	49%, 40%, 100%
CMY	0.5098, 0.6000, 0.0000
CMYK	0.51, 0.60, 0.00, 0.00
HSL	249°, 100%, 70%
HSV	249°, 60%, 100%
XYZ	31.2588, 21.0827, 97.0296
YIQ	126.3190, -35.4050, 52.4590

Conversions

Conversions Part 2

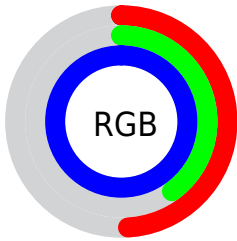
Format	Color
RYB	125, 102, 255
Decimal	8218367
CIELab	53.04, 47.54, -73.43
CIELCh	53, 87.476, 302.922
Yxy	21.0827, 0.2093, 0.1411
Android (android.graphics.Color)	4286408447 (0xFF7D66FF)
YUV	126.3190, 63.4397, -1.1568
Hunter-Lab	45.9159, 41.1671, -93.1506

Details

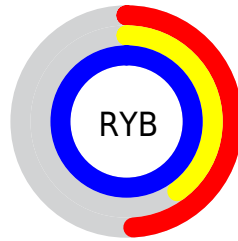
The XYZ color **31.2588, 21.0827, 97.0296** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.4353, 89.6342, 26.1066**, and the grayscale version is **19.7400, 20.7680, 22.6164**.

A 20% lighter version of the original color is **49.8553, 40.7703, 99.8495**, and **13.1548, 7.5072, 53.5790** is the 20% darker color. If you saturate the color by 10%, you get **26.3017, 15.3619, 96.1866**, and if you desaturate by 10%, it is **37.6780, 28.7011, 98.1618**.

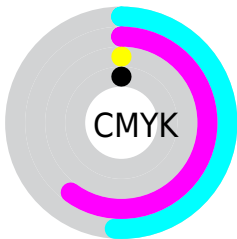
Distribution



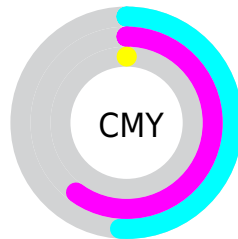
- Red (49%)
- Green (40%)
- Blue (100%)



- Red (49%)
- Yellow (40%)
- Blue (100%)



- Cyan (51%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2588, 21.0827, 97.0296 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 31.2588, 21.0827, 97.0296 by changing the saturation by 10% instead.

■ 31.2588, 21.0827,
97.0296

■ 31.2588, 21.0827,
97.0296

299.5345,
257.7177, 571.7918

■ 20.9488, 13.1845,
73.2192

■ 61.0204, 45.2251,
159.0852

■ 13.1988, 7.5557,
53.6623

■ 81.2026, 62.2381,
198.1675

■ 7.6435, 3.8120,
37.9404

■ 105.4064, 83.0581,
243.1775

■ 3.9176, 1.5690,
25.6350

■ 133.9969,
108.0696, 294.5337

■ 1.6556, 0.3365,
16.3274

167.3397,
137.6569, 352.6547

■ 0.4282, 0.0000,
9.5993

205.7999,

■ 0.0000, 0.0000,

172.2044, 417.9590

5.0320

249.7431,
212.0965, 490.8652

■ 0.0000, 0.0000,
2.2070

■ 0.0000, 0.0000,
0.6784

■ 31.2588, 21.0827,
97.0296

■ 31.2588, 21.0827,
97.0296

■ 26.3017, 15.3619,
96.1866

■ 37.6780, 28.7011,
98.1618

■ 22.6853, 11.3670,
95.6061

■ 45.6617, 38.3646,
99.6062

■ 20.2724, 8.8978,
95.2567

■ 55.3062, 50.2080,
101.3839

■ 18.8620, 7.6386,
95.0880

■ 66.6991, 64.3539,
103.5139

■ 18.8620, 7.6386,
95.0880

■ 79.9217, 80.9161,
106.0138

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.



20.9530, 21.0827, 119.6669



31.2588, 21.0827, 97.0296



40.2499, 21.0827, 54.5576

Triad

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



31.2588, 21.0827, 97.0296



29.2065, 21.0827, 0.9481



7.0644, 21.0827, 25.6335

Complementary

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



31.2588, 21.0827, 97.0296



71.4353, 89.6342, 26.1066

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.



8.0632, 21.0827, 6.7656



31.2588, 21.0827, 97.0296



19.1510, 21.0827, 0.2857

Square

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



31.2588, 21.0827, 97.0296



38.8326, 21.0827, 4.9731



11.8869, 21.0827, 1.2911



8.5643, 21.0827, 62.9099

Rectangle

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



31.2588, 21.0827, 97.0296



43.1877, 21.0827, 29.7728



11.8869, 21.0827, 1.2911



7.1203, 21.0827, 17.2674

Sweetspot

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



31.2597, 21.0833, 97.0297



69.1944, 67.4692, 103.9837



52.4003, 67.7863, 104.9300



14.0385, 13.4778, 22.1115



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.



31.2597, 21.0833, 97.0297



25.4751, 14.4305, 96.0504



47.0100, 29.2029, 97.7668



17.2572, 17.5088, 22.7199



9.9314, 4.0303, 49.6891



1.0383, 0.4292, 4.8414

Inverse Universe

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



60.5562, 36.5888, 80.2106



57.4383, 31.3853, 75.9888



51.7818, 79.5025, 25.1869



18.6683, 18.2507, 22.1366



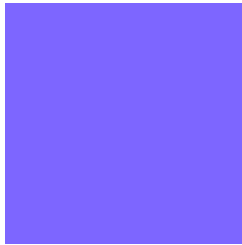
28.1143, 13.7350, 35.5821



2.7679, 1.3495, 3.6249

Previews

White Background



This preview shows how the XYZ color 31.2588, 21.0827, 97.0296 looks on a white background.

Color Contrast Check

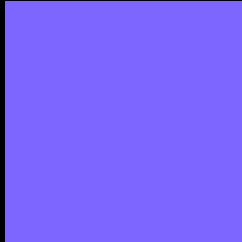
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2588, 21.0827, 97.0296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

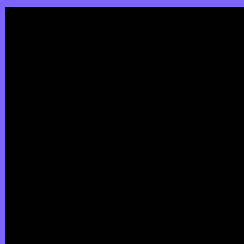
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2588, 21.0827, 97.0296

Background



This preview shows how black text looks on a background with the XYZ color 31.2588, 21.0827, 97.0296.



This preview shows how white text looks on a background with the XYZ color 31.2588, 21.0827,

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

31.2588, 21.0827, 97.0296

Protanopia

25.4615, 21.3721, 97.3910

Deuteranopia

21.3048, 21.0823, 73.4674



Tritanopia

17.7360, 21.0128, 29.5067

Trichromacy



Original Color

31.2588, 21.0827, 97.0296

Protanomaly

26.2306, 20.5382, 97.1895

Deuteranomaly

22.6744, 19.7497, 81.2143

Tritanomaly

21.2048, 20.2633, 48.1410

Monochromacy



Original Color

31.2588, 21.0827, 97.0296

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.5083, 20.1753, 42.2431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2588, 21.0827, 97.0296 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2588, 21.0827, 97.0296 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, 102, 255) }
```


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

```
.border{ border-color:rgb(125, 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(125, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2588, 21.0827, 97.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 102, 255) }
```

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

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