

Converting Colors

XYZ(37.7837, 27.1860, 97.8637)

Have a look what the booklet for
XYZ(37.7837, 27.1860, 97.8637)
contains.

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Color

**XYZ(37.7837, 27.1860,
97.8637)**

Conversions

Conversions Part 1

Format	Color
Hex	9977FF
RGB	153, 119, 255
RGB Percent	60%, 47%, 100%
CMY	0.4000, 0.5333, 0.0000
CMYK	0.40, 0.53, 0.00, 0.00
HSL	255°, 100%, 73%
HSV	255°, 53%, 100%
XYZ	37.7837, 27.1860, 97.8637
YIQ	144.6700, -23.3920, 49.5040

Conversions

Conversions Part 2

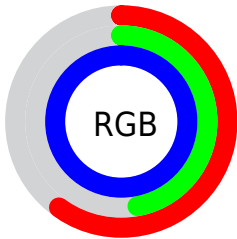
Format	Color
R _Y B	153, 119, 255
Decimal	10057727
CIE Lab	59.15, 43.74, -63.45
CIE LCh	59, 77.063, 304.579
Yxy	27.1860, 0.2320, 0.1670
Android (android.graphics.Color)	4288247807 (0xFF9977FF)
YUV	144.6700, 54.3927, 7.3054
Hunter-Lab	52.1402, 38.1057, -74.7853

Details

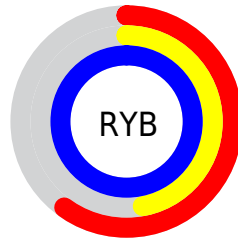
The XYZ color **37.7837, 27.1860, 97.8637** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.9080, 88.2238, 30.8505**, and the grayscale version is **26.5744, 27.9583, 30.4466**.

A 20% lighter version of the original color is **59.9539, 50.7221, 101.2382**, and **16.9255, 10.7204, 54.0005** is the 20% darker color. If you saturate the color by 10%, you get **31.8210, 20.1956, 96.8287**, and if you desaturate by 10%, it is **45.1410, 36.1042, 99.1974**.

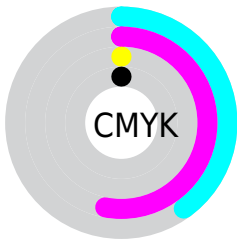
Distribution



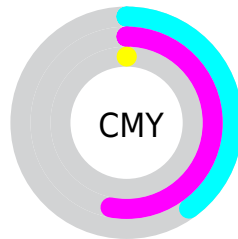
- Red (60%)
- Green (47%)
- Blue (100%)



- Red (60%)
- Yellow (47%)
- Blue (100%)



- Cyan (40%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7837, 27.1860, 97.8637 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 37.7837, 27.1860, 97.8637 by changing the saturation by 10% instead.

37.7837, 27.1860,
97.8637

37.7837, 27.1860,
97.8637

327.9881,
288.5566, 574.5096

25.9913, 17.7130,
73.9107

71.0825, 55.1822,
160.2445

16.9498, 10.7441,
54.2246

93.3197, 74.4741,
199.5094

10.2938, 5.8950,
38.3869

119.7691, 97.8078,
244.7153

5.6579, 2.7814,
25.9789

150.7962,
125.5677, 296.2808

2.6769, 1.0187,
16.5823

186.7663,
158.1381, 354.6245

0.9853, 0.0000,
9.7783

228.0447,

0.0000, 0.0000,

195.9035, 420.1648

5.1485

274.9969,
239.2482, 493.3203

■ 0.0000, 0.0000,
2.2744

■ 0.0000, 0.0000,
0.7168

■ 37.7837, 27.1860,
97.8637

■ 37.7837, 27.1860,
97.8637

■ 31.8210, 20.1956,
96.8287

■ 45.1410, 36.1042,
99.1974

■ 27.1554, 14.9828,
96.0685

■ 53.9748, 47.0795,
100.8502

■ 23.6810, 11.3786,
95.5559

■ 64.3639, 60.2328,
102.8415

■ 21.2714, 9.1783,
95.2582

■ 76.3806, 75.6748,
105.1887

■ 20.1485, 8.3018,
95.1482

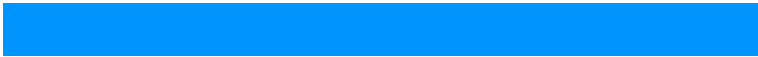
■ 90.0927, 93.5087,
107.9083

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.



27.3400, 27.1860, 119.6381



37.7837, 27.1860, 97.8637



46.3326, 27.1860, 58.5565

Triad

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



37.7837, 27.1860, 97.8637



34.5926, 27.1860, 2.9340



11.4706, 27.1860, 34.0211

Complementary

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



37.7837, 27.1860, 97.8637



68.9080, 88.2238, 30.8505

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.



12.5051, 27.1860, 12.2237



37.7837, 27.1860, 97.8637



24.3949, 27.1860, 1.9972

Square

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



37.7837, 27.1860, 97.8637



44.1933, 27.1860, 8.6044



16.7220, 27.1860, 3.9330



13.4348, 27.1860, 70.8365

Rectangle

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



37.7837, 27.1860, 97.8637



48.8922, 27.1860, 34.8766



16.7220, 27.1860, 3.9330



11.4843, 27.1860, 24.8860

Sweetspot

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



37.7848, 27.1869, 97.8639



73.0121, 71.3259, 104.5269



51.5146, 62.8553, 104.0249



15.0887, 14.5730, 22.2676



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.



37.7848, 27.1869, 97.8639



31.4702, 19.7940, 96.7697



54.4660, 35.7864, 98.6445



17.4285, 17.5971, 22.7279



10.6418, 4.3965, 49.7223



1.1310, 0.4769, 4.8457

Inverse Universe

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



60.8879, 39.6745, 72.8538



57.2126, 33.7448, 67.2480



52.2271, 79.6244, 30.0698



18.5872, 18.2182, 21.7093



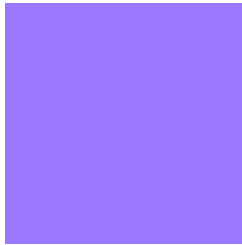
26.5396, 13.1051, 27.2899



2.6277, 1.2935, 2.8871

Previews

White Background



This preview shows how the XYZ color 37.7837, 27.1860, 97.8637 looks on a white background.

Color Contrast Check

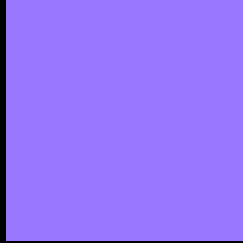
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7837, 27.1860, 97.8637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

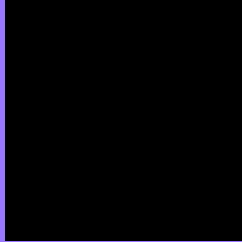
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7837, 27.1860, 97.8637

Background



This preview shows how black text looks on a background with the XYZ color 37.7837, 27.1860, 97.8637.



This preview shows how white text looks on a background with the XYZ color 37.7837, 27.1860,

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

37.7837, 27.1860, 97.8637

Protanopia

30.8848, 27.3283, 98.2548

Deuteranopia

28.4374, 27.4899, 93.4298



Tritanopia

25.1799, 27.0926, 35.3548

Trichromacy



Original Color

37.7837, 27.1860, 97.8637



Protanomaly

32.5967, 26.7676, 98.0564



Deuteranomaly

30.1011, 26.3677, 94.7698



Tritanomaly

28.6596, 26.5370, 53.4808

Monochromacy



Original Color

37.7837, 27.1860, 97.8637



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

29.7739, 27.4070, 49.6198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7837, 27.1860, 97.8637 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(153, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 119, 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(153, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.7837, 27.1860, 97.8637 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(153, 119, 255) }
```


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

```
.border{ border-color:rgb(153, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7837, 27.1860, 97.8637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 119, 255) }
```

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

```
.background{ background-color: rgb(153,  
119, 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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