

Converting Colors

XYZ(42.7991, 38.8270,
120.7822)

Have a look what the booklet for
XYZ(42.7991, 38.8270, 120.7822)
contains.

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Color

**XYZ(38.7161, 37.0537,
99.7193)**

Conversions

Conversions Part 1

Format	Color
Hex	78A2FF
RGB	120, 162, 255
RGB Percent	47%, 64%, 100%
CMY	0.5294, 0.3647, 0.0000
CMYK	0.53, 0.36, 0.00, 0.00
HSL	221°, 100%, 74%
HSV	221°, 53%, 100%
XYZ	38.7161, 37.0537, 99.7193
YIQ	160.0440, -54.8850, 20.0190

Conversions

Conversions Part 2

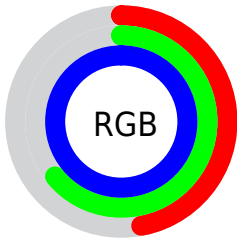
Format	Color
RYB	120, 152, 255
Decimal	7906047
CIELab	67.32, 11.52, -50.57
CIELCh	67, 51.868, 282.827
Yxy	37.0537, 0.2206, 0.2111
Android (android.graphics.Color)	4286096127 (0xFF78A2FF)
YUV	160.0440, 46.8133, -35.1186
Hunter-Lab	60.8718, 7.0053, -54.5179

Details

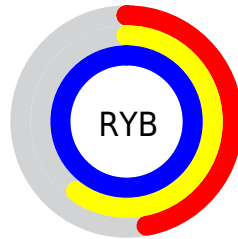
The XYZ color **38.7161, 37.0537, 99.7193** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.4261, 70.2072, 27.7164**, and the grayscale version is **33.2444, 34.9757, 38.0886**.

A 20% lighter version of the original color is **61.4533, 66.4294, 104.1910**, and **17.5648, 16.3160, 55.6496** is the 20% darker color. If you saturate the color by 10%, you get **32.7575, 29.7051, 98.6149**, and if you desaturate by 10%, it is **46.0510, 45.7547, 101.0121**.

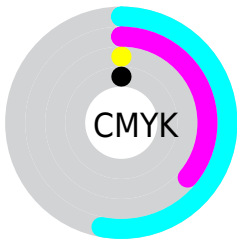
Distribution



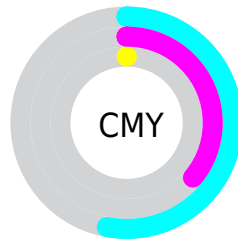
- Red (47%)
- Green (64%)
- Blue (100%)



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



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7161, 37.0537, 99.7193 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 38.7161, 37.0537, 99.7193 by changing the saturation by 10% instead.

■ 38.7161, 37.0537,
99.7193

■ 38.7161, 37.0537,
99.7193

331.9099,
333.5430, 580.5313

■ 26.7187, 25.2491,
75.4506

■ 72.5013, 70.6554,
162.8199

■ 17.4975, 16.2627,
55.4781

■ 95.0197, 93.2212,
202.4888

■ 10.6874, 9.7103,
39.3835

■ 121.7759,
120.1429, 248.1282

■ 5.9228, 5.2073,
26.7481

153.1351,
151.8048, 300.1567

■ 2.8384, 2.3694,
17.1533

189.4628,
188.5914, 358.9926

■ 1.0689, 0.8101,
10.1808

231.1243,

■ 0.0000, 0.0000,

230.8870, 425.0547

5.4118

278.4849,
279.0761, 498.7614

■ 0.0000, 0.0000,
2.4279

■ 0.0000, 0.0000,
0.8016

■ 38.7161, 37.0537,
99.7193

■ 38.7161, 37.0537,
99.7193

■ 32.7575, 29.7051,
98.6149

■ 46.0510, 45.7547,
101.0121

■ 28.0770, 23.6300,
97.6890

■ 54.8433, 55.8732,
102.5018

■ 24.5684, 18.7461,
96.9312

■ 65.1721, 67.4739,
104.1966

■ 22.1037, 14.9568,
96.3297

■ 77.1092, 80.6165,
106.1042

■ 20.8697, 12.8594,
95.9899

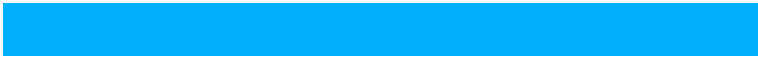
■ 90.7221, 95.3570,
108.2319

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.



30.9024, 37.0537, 98.1598



38.7161, 37.0537, 99.7193



46.6436, 37.0537, 81.6335

Triad

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



38.7161, 37.0537, 99.7193



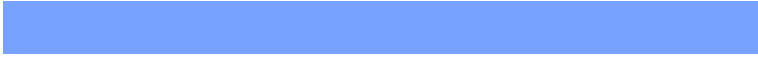
47.6372, 37.0537, 17.3320



22.5583, 37.0537, 28.7687

Complementary

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



38.7161, 37.0537, 99.7193



68.4261, 70.2072, 27.7164

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.



25.8302, 37.0537, 16.0320



38.7161, 37.0537, 99.7193



39.9187, 37.0537, 11.3388

Square

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



38.7161, 37.0537, 99.7193



52.2909, 37.0537, 31.3996



31.9380, 37.0537, 10.9748



22.3366, 37.0537, 50.8464

Rectangle

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



38.7161, 37.0537, 99.7193



50.6129, 37.0537, 63.7745



31.9380, 37.0537, 10.9748



23.3125, 37.0537, 23.4975

Sweetspot

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



38.7174, 37.0549, 99.7194



73.2797, 76.4256, 105.4971



55.4222, 80.2798, 75.0288



15.1524, 15.7729, 22.4958



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.



38.7174, 37.0549, 99.7194



32.2017, 29.0011, 98.5083



36.4013, 26.6522, 97.8336



17.4640, 18.2995, 22.8617



11.0211, 6.9518, 50.1955



1.1655, 0.8617, 4.9182

Inverse Universe

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



54.4791, 37.3033, 38.5122



49.9752, 30.8498, 29.1368



71.8644, 89.7408, 31.3056



18.2421, 18.0801, 19.8920



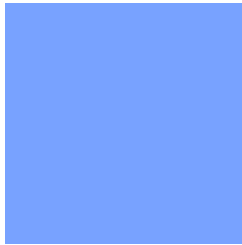
22.3511, 11.4297, 5.2336



2.2229, 1.1315, 0.7553

Previews

White Background



This preview shows how the XYZ color 38.7161, 37.0537, 99.7193 looks on a white background.

Color Contrast Check

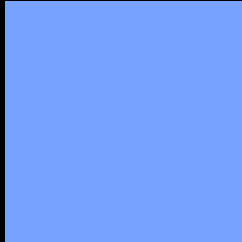
Large Text (above 18pt) WCAG AA × Fail

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 38.7161, 37.0537, 99.7193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

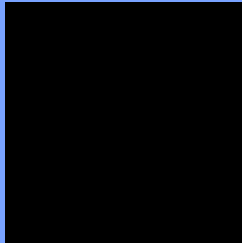
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

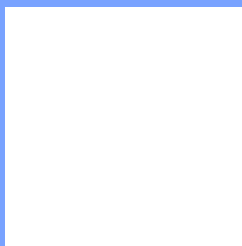
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7161, 37.0537, 99.7193

Background



This preview shows how black text looks on a background with the XYZ color 38.7161, 37.0537, 99.7193.



This preview shows how white text looks on a background with the XYZ color 38.7161, 37.0537,

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

38.7161, 37.0537, 99.7193

Protanopia

39.3537, 36.9006, 97.9769

Deuteranopia

38.2174, 37.0592, 99.7466



Tritanopia

29.5540, 36.9190, 54.2836

Trichromacy



Original Color

38.7161, 37.0537, 99.7193

Protanomaly

39.2384, 37.0811, 98.8552

Deuteranomaly

38.4833, 37.1963, 99.7591

Tritanomaly

32.3380, 36.6077, 68.9799

Monochromacy



Original Color

38.7161, 37.0537, 99.7193

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.2722, 35.4496, 56.6659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7161, 37.0537, 99.7193 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(120, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 162, 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(120, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.7161, 37.0537, 99.7193 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(120, 162, 255) }
```


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

```
.border{ border-color:rgb(120, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7161, 37.0537, 99.7193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 162, 255) }
```

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

```
.background{ background-color: rgb(120,  
162, 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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