

Converting Colors

XYZ(38.5579, 37.2855, 99.7723)

Have a look what the booklet for
XYZ(38.5579, 37.2855, 99.7723)
contains.

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Color

**XYZ(38.4833, 37.1963,
99.7591)**

Conversions

Conversions Part 1

Format	Color
Hex	75A3FF
RGB	117, 163, 255
RGB Percent	46%, 64%, 100%
CMY	0.5412, 0.3608, 0.0000
CMYK	0.54, 0.36, 0.00, 0.00
HSL	220°, 100%, 73%
HSV	220°, 54%, 100%
XYZ	38.4833, 37.1963, 99.7591
YIQ	159.7340, -56.9480, 18.8600

Conversions

Conversions Part 2

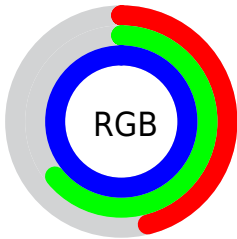
Format	Color
RYB	117, 152, 255
Decimal	7709695
CIELab	67.42, 10.31, -50.42
CIELCh	67, 51.459, 281.559
Yxy	37.1963, 0.2194, 0.2120
Android (android.graphics.Color)	4285899775 (0xFF75A3FF)
YUV	159.7340, 46.9661, -37.4777
Hunter-Lab	60.9888, 5.9014, -54.2883

Details

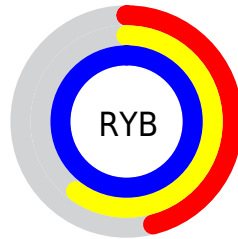
The XYZ color **38.4833, 37.1963, 99.7591** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.2528, 68.1475, 26.4408**, and the grayscale version is **33.1022, 34.8261, 37.9256**.

A 20% lighter version of the original color is **61.0259, 66.5929, 104.2451**, and **17.4034, 16.3956, 55.6735** is the 20% darker color. If you saturate the color by 10%, you get **32.6936, 30.0283, 98.6806**, and if you desaturate by 10%, it is **45.6142, 45.6592, 101.0167**.

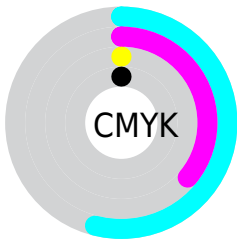
Distribution



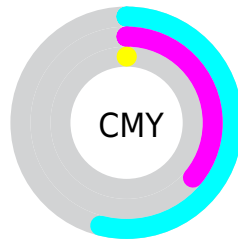
- Red (46%)
- Green (64%)
- Blue (100%)



- Red (46%)
- Yellow (60%)
- Blue (100%)



- Cyan (54%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4833, 37.1963, 99.7591 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 38.4833, 37.1963, 99.7591 by changing the saturation by 10% instead.

■ 38.4833, 37.1963,
99.7591

■ 38.4833, 37.1963,
99.7591

330.9338,
334.1596, 580.6601

■ 26.5369, 25.3595,
75.4836

■ 72.1474, 70.8746,
162.8751

■ 17.3605, 16.3451,
55.5051

■ 94.5959, 93.4849,
202.5526

■ 10.5888, 9.7687,
39.4049

■ 121.2758,
120.4551, 248.2013

■ 5.8563, 5.2459,
26.7646

152.5524,
152.1698, 300.2396

■ 2.7977, 2.3922,
17.1656

188.7912,
189.0131, 359.0861

■ 1.0477, 0.8219,
10.1895

230.3575,

■ 0.0000, 0.0000,

231.3696, 425.1593

5.4175

277.6165,
279.6236, 498.8778

■ 0.0000, 0.0000,
2.4313

■ 0.0000, 0.0000,
0.8034

■ 38.4833, 37.1963,
99.7591

■ 38.4833, 37.1963,
99.7591

■ 32.6936, 30.0283,
98.6806

■ 45.6142, 45.6592,
101.0167

■ 28.1476, 24.0794,
97.7720

■ 54.1667, 55.4794,
102.4614

■ 24.7392, 19.2699,
97.0233

■ 64.2191, 66.7190,
104.1011

■ 22.3394, 15.5061,
96.4233

■ 75.8423, 79.4350,
105.9429

■ 21.2982, 13.7164,
96.1327

■ 89.1029, 93.6812,
107.9938

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.



30.7667, 37.1963, 97.3160



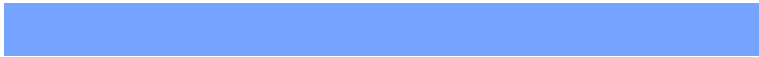
38.4833, 37.1963, 99.7591



46.4091, 37.1963, 82.5118

Triad

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



38.4833, 37.1963, 99.7591



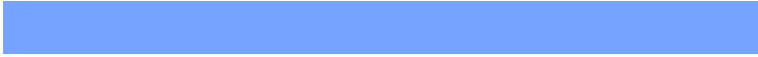
47.9709, 37.1963, 17.9663



22.8216, 37.1963, 28.2474

Complementary

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



38.4833, 37.1963, 99.7591



67.2528, 68.1475, 26.4408

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.



26.2106, 37.1963, 15.9043



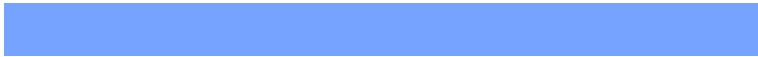
38.4833, 37.1963, 99.7591



40.3759, 37.1963, 11.6759

Square

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



38.4833, 37.1963, 99.7591



52.4065, 37.1963, 32.3999



32.3991, 37.1963, 11.0963



22.4711, 37.1963, 49.8498

Rectangle

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



38.4833, 37.1963, 99.7591



50.4500, 37.1963, 64.9306



32.3991, 37.1963, 11.0963



23.6167, 37.1963, 23.1252

Sweetspot

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



38.4846, 37.1975, 99.7592



73.5282, 76.9227, 105.5800



54.6059, 79.9059, 72.8683



15.2112, 15.8906, 22.5154



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.



38.4846, 37.1975, 99.7592



32.2426, 29.4538, 98.5935



35.2282, 25.5200, 97.6769



17.4976, 18.3669, 22.8729



11.2507, 7.4109, 50.2721



1.1911, 0.9129, 4.9267

Inverse Universe

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



54.2131, 36.6285, 38.8640



49.9054, 30.4753, 29.8374



72.2503, 89.9605, 30.3877



18.2591, 18.0869, 19.9815



22.4670, 11.4761, 5.8438



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 38.4833, 37.1963, 99.7591 looks on a white background.

Color Contrast Check

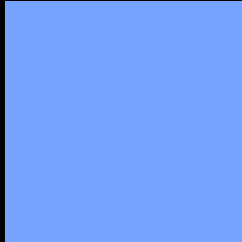
Large Text (above 18pt) WCAG AA × Fail

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 38.4833, 37.1963, 99.7591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

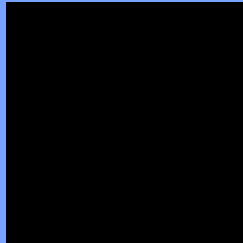
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

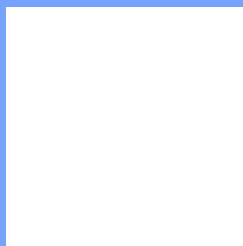
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4833, 37.1963, 99.7591

Background



This preview shows how black text looks on a background with the XYZ color 38.4833, 37.1963, 99.7591.



This preview shows how white text looks on a background with the XYZ color 38.4833, 37.1963,

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

38.4833, 37.1963, 99.7591

Protanopia

39.5063, 36.9793, 97.9840

Deuteranopia

38.2174, 37.0592, 99.7466



Tritanopia

29.4357, 37.1481, 54.3341

Trichromacy



Original Color

38.4833, 37.1963, 99.7591

Protanomaly

39.0917, 37.0055, 98.8483

Deuteranomaly

38.3497, 37.1274, 99.7528

Tritanomaly

32.1800, 36.8056, 69.0265

Monochromacy



Original Color

38.4833, 37.1963, 99.7591

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.0968, 35.3592, 56.6577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4833, 37.1963, 99.7591 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(117, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 163, 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(117, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4833, 37.1963, 99.7591 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(117, 163, 255) }
```


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

```
.border{ border-color:rgb(117, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 163, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 163, 255); box-shadow:4px 4px 4px 4px rgb(117, 163, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4833, 37.1963, 99.7591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 255) }
```

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

```
.background{ background-color: rgb(117,  
163, 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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