

Converting Colors

XYZ(46.9247, 38.6180,
147.8420)

Have a look what the booklet for
XYZ(46.9247, 38.6180, 147.8420)
contains.

XYZ(37.8236, 35.0619, 99.3818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8236, 35.0619,
99.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	799CFF
RGB	121, 156, 255
RGB Percent	47%, 61%, 100%
CMY	0.5255, 0.3882, 0.0000
CMYK	0.53, 0.39, 0.00, 0.00
HSL	224°, 100%, 74%
HSV	224°, 53%, 100%
XYZ	37.8236, 35.0619, 99.3818
YIQ	156.8210, -52.6390, 23.3690

Conversions

Conversions Part 2

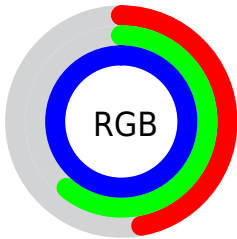
Format	Color
RYB	121, 149, 255
Decimal	7970047
CIELab	65.80, 15.20, -52.98
CIELCh	66, 55.113, 286.008
Yxy	35.0619, 0.2196, 0.2035
Android (android.graphics.Color)	4286160127 (0xFF799CFF)
YUV	156.8210, 48.4022, -31.4150
Hunter-Lab	59.2131, 10.3977, -58.0617

Details

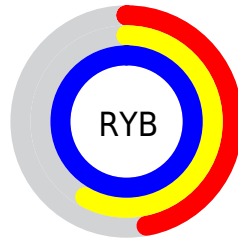
The XYZ color **37.8236, 35.0619, 99.3818** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.2858, 73.8291, 28.6371**, and the grayscale version is **31.7751, 33.4299, 36.4052**.

A 20% lighter version of the original color is **59.9190, 63.0165, 103.6131**, and **16.9895, 15.0799, 55.4413** is the 20% darker color. If you saturate the color by 10%, you get **31.7908, 27.6176, 98.2629**, and if you desaturate by 10%, it is **45.2935, 43.9760, 100.7087**.

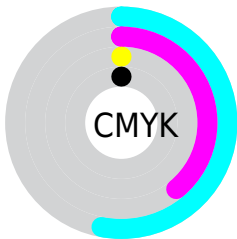
Distribution



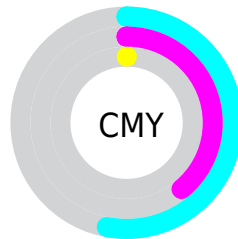
- Red (47%)
- Green (61%)
- Blue (100%)



- Red (47%)
- Yellow (58%)
- Blue (100%)



- Cyan (53%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8236, 35.0619, 99.3818 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 37.8236, 35.0619, 99.3818 by changing the saturation by 10% instead.

■ 37.8236, 35.0619,
99.3818

■ 37.8236, 35.0619,
99.3818

328.1566,
324.8415, 579.4386

■ 26.0224, 23.7106,
75.1703

■ 71.1433, 67.5816,
162.3518

■ 16.9732, 15.1191,
55.2499

■ 93.3926, 89.5189,
201.9475

■ 10.3105, 8.9030,
39.2019

■ 119.8552,
115.7535, 247.5083

■ 5.6692, 4.6780,
26.6078

150.8966,
146.6699, 299.4528

■ 2.6837, 2.0596,
17.0490

186.8820,
182.6525, 358.1996

■ 0.9888, 0.6417,
10.1071

228.1770,

■ 0.0000, 0.0000,

224.0857, 424.1671

5.3635

275.1467,
271.3539, 497.7739

■ 0.0000, 0.0000,
2.3996

■ 0.0000, 0.0000,
0.7863

■ 37.8236, 35.0619,
99.3818

■ 37.8236, 35.0619,
99.3818

■ 31.7908, 27.6176,
98.2629

■ 45.2935, 43.9760,
100.7087

■ 27.0927, 21.5552,
97.3404

■ 54.2857, 54.4336,
102.2533

■ 23.6182, 16.7821,
96.6022

■ 64.8829, 66.5072,
104.0252

■ 21.2346, 13.1903,
96.0345

■ 77.1607, 80.2637,
106.0334

■ 20.0335, 11.1869,
95.7112

■ 91.1895, 95.7660,
108.2862

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.



29.6878, 35.0619, 100.1555



37.8236, 35.0619, 99.3818



45.8805, 35.0619, 78.4635

Triad

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



37.8236, 35.0619, 99.3818



45.4008, 35.0619, 14.1810



20.3449, 35.0619, 28.3454

Complementary

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



37.8236, 35.0619, 99.3818



70.2858, 73.8291, 28.6371

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.



23.2990, 35.0619, 14.7645



37.8236, 35.0619, 99.3818



37.2484, 35.0619, 9.1339

Square

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



37.8236, 35.0619, 99.3818



50.7173, 35.0619, 27.1158



29.1986, 35.0619, 9.2920



20.4475, 35.0619, 51.8976

Rectangle

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



37.8236, 35.0619, 99.3818



49.7391, 35.0619, 59.4195



29.1986, 35.0619, 9.2920



20.9895, 35.0619, 22.7166

Sweetspot

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



37.8248, 35.0630, 99.3820



72.7263, 75.3189, 105.3126



56.4676, 80.7140, 79.8064



15.0216, 15.5114, 22.4522



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.



37.8248, 35.0630, 99.3820



31.5497, 27.3134, 98.2169



37.8879, 27.5978, 97.9377



17.3887, 18.1490, 22.8366



10.5700, 6.0495, 50.0452



1.1134, 0.7575, 4.9008

Inverse Universe

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



54.0790, 37.3366, 35.8099



49.7398, 31.1141, 26.7915



69.8699, 88.7056, 31.5305



18.2041, 18.0649, 19.6919



22.1234, 11.3387, 4.0345



2.1966, 1.1210, 0.6167

Previews

White Background



This preview shows how the XYZ color 37.8236, 35.0619, 99.3818 looks on a white background.

Color Contrast Check

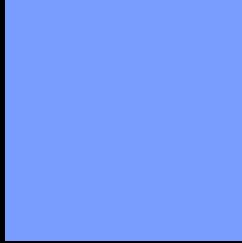
Large Text (above 18pt) WCAG AA × Fail

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 37.8236, 35.0619, 99.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

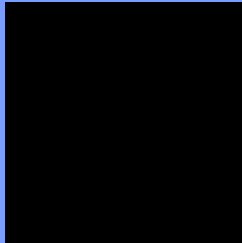
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8236, 35.0619, 99.3818

Background



This preview shows how black text looks on a background with the XYZ color 37.8236, 35.0619, 99.3818.



This preview shows how white text looks on a background with the XYZ color 37.8236, 35.0619,

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

37.8236, 35.0619, 99.3818

Protanopia

37.8236, 35.0619, 99.3818

Deuteranopia

36.2859, 35.3006, 98.6672



Tritanopia

28.2496, 35.1700, 51.1985

Trichromacy



Original Color

37.8236, 35.0619, 99.3818

Protanomaly

37.8236, 35.0619, 99.3818

Deuteranomaly

36.8431, 35.3315, 98.6438

Tritanomaly

31.2129, 34.9898, 66.0814

Monochromacy



Original Color

37.8236, 35.0619, 99.3818

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.1842, 33.8935, 55.2452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8236, 35.0619, 99.3818 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(121, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 156, 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(121, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8236, 35.0619, 99.3818 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(121, 156, 255) }
```


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

```
.border{ border-color:rgb(121, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 156, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 156, 255); box-shadow:4px 4px 4px 4px rgb(121, 156, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8236, 35.0619, 99.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 156, 255) }
```

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

```
.background{ background-color: rgb(121,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor