

Converting Colors

XYZ(42.8889, 36.7063,
129.6274)

Have a look what the booklet for
XYZ(42.8889, 36.7063, 129.6274)
contains.

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Color

**XYZ(37.1075, 34.4446,
99.3004)**

Conversions

Conversions Part 1

Format	Color
Hex	759BFF
RGB	117, 155, 255
RGB Percent	46%, 61%, 100%
CMY	0.5411, 0.3921, 0.0000
CMYK	0.54, 0.39, 0.00, 0.00
HSL	223°, 100%, 73%
HSV	223°, 54%, 100%
XYZ	37.1075, 34.4446, 99.3004
YIQ	155.0380, -54.7480, 23.0440

Conversions

Conversions Part 2

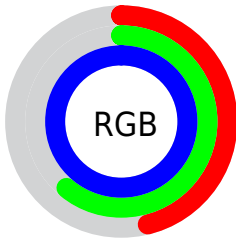
Format	Color
RYB	117, 147, 255
Decimal	7707647
CIELab	65.31, 14.94, -53.76
CIElCh	65, 55.794, 285.537
Yxy	34.4446, 0.2172, 0.2016
Android (android.graphics.Color)	4285897727 (0xFF759BFF)
YUV	155.0380, 49.2813, -33.3593
Hunter-Lab	58.6895, 10.1532, -59.2337

Details

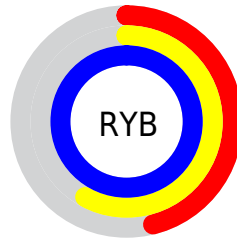
The XYZ color **37.1075, 34.4446, 99.3004** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2655, 72.1729, 27.1119**, and the grayscale version is **30.9801, 32.5935, 35.4943**.

A 20% lighter version of the original color is **58.9819, 62.1680, 103.4987**, and **16.5595, 14.7079, 55.3922** is the 20% darker color. If you saturate the color by 10%, you get **31.2926, 27.2260, 98.2136**, and if you desaturate by 10%, it is **44.3285, 43.0876, 100.5881**.

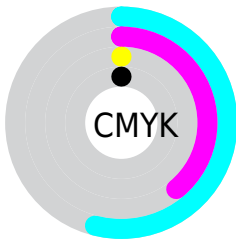
Distribution



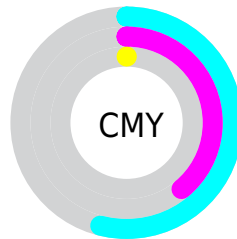
- Red (46%)
- Green (61%)
- Blue (100%)



- Red (46%)
- Yellow (58%)
- Blue (100%)



- Cyan (54%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1075, 34.4446, 99.3004 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 37.1075, 34.4446, 99.3004 by changing the saturation by 10% instead.

■ 37.1075, 34.4446,
99.3004

■ 37.1075, 34.4446,
99.3004

325.1232,
322.1100, 579.1749

■ 25.4648, 23.2354,
75.1028

■ 70.0508, 66.6245,
162.2389

■ 16.5543, 14.7674,
55.1949

■ 92.0822, 88.3639,
201.8169

■ 10.0105, 8.6563,
39.1581

■ 118.3071,
114.3821, 247.3587

■ 5.4683, 4.5177,
26.5740

149.0910,
145.0636, 299.2830

■ 2.5621, 1.9672,
17.0239

184.7992,
180.7928, 358.0082

■ 0.9267, 0.5883,
10.0894

225.7971,

■ 0.0000, 0.0000,

221.9540, 423.9529

5.3519

272.4499,
268.9316, 497.5356

■ 0.0000, 0.0000,
2.3928

■ 0.0000, 0.0000,
0.7825

■ 37.1075, 34.4446,
99.3004

■ 37.1075, 34.4446,
99.3004

■ 31.2926, 27.2260,
98.2136

■ 44.3285, 43.0876,
100.5881

■ 26.7809, 21.3458,
97.3164

■ 53.0407, 53.2271,
102.0861

■ 23.4605, 16.7125,
96.5971

■ 63.3268, 64.9342,
103.8036

■ 21.1960, 13.2193,
96.0422

■ 75.2620, 78.2740,
105.7494

■ 20.2534, 11.6268,
95.7845

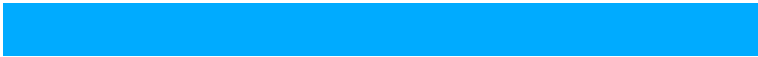
■ 88.9165, 93.3080,
107.9316

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.



28.9868, 34.4446, 99.7164



37.1075, 34.4446, 99.3004



45.2128, 34.4446, 78.4238

Triad

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



37.1075, 34.4446, 99.3004



44.9565, 34.4446, 13.7646



19.8130, 34.4446, 27.3956

Complementary

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



37.1075, 34.4446, 99.3004



69.2655, 72.1729, 27.1119

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.



22.7998, 34.4446, 14.0709



37.1075, 34.4446, 99.3004



36.8008, 34.4446, 8.7086

Square

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



37.1075, 34.4446, 99.3004



50.2304, 34.4446, 26.7437



28.7267, 34.4446, 8.7909



19.8673, 34.4446, 50.8219

Rectangle

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



37.1075, 34.4446, 99.3004



49.1314, 34.4446, 59.2707



28.7267, 34.4446, 8.7909



20.4698, 34.4446, 21.8497

Sweetspot

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



37.1087, 34.4457, 99.3006



72.8826, 75.6315, 105.3648



55.4791, 80.2552, 77.4661



15.0586, 15.5852, 22.4645



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.



37.1087, 34.4457, 99.3006



30.8421, 26.6528, 98.1267



36.4278, 26.1385, 97.7330



17.4100, 18.1916, 22.8437



10.6891, 6.2878, 50.0849



1.1274, 0.7856, 4.9055

Inverse Universe

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



53.5187, 36.3508, 35.2068



49.1985, 30.1925, 26.1148



70.0543, 88.8284, 30.2851



18.2148, 18.0693, 19.7485



22.1836, 11.3627, 4.3511



2.2037, 1.1238, 0.6541

Previews

White Background



This preview shows how the XYZ color 37.1075, 34.4446, 99.3004 looks on a white background.

Color Contrast Check

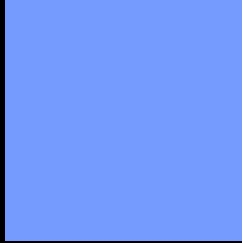
Large Text (above 18pt) WCAG AA × Fail

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 37.1075, 34.4446, 99.3004 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 37.1075, 34.4446, 99.3004

Background



This preview shows how black text looks on a background with the XYZ color 37.1075, 34.4446, 99.3004.



This preview shows how white text looks on a background with the XYZ color 37.1075, 34.4446,

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

37.1075, 34.4446, 99.3004

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.4831, 34.3762, 98.5310



Tritanopia

27.3408, 34.4343, 50.5529

Trichromacy



Original Color

37.1075, 34.4446, 99.3004

Protanomaly

37.2426, 34.5142, 99.3068

Deuteranomaly

36.0098, 34.3955, 98.5070

Tritanomaly

30.3435, 34.2727, 65.9888

Monochromacy



Original Color

37.1075, 34.4446, 99.3004

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.1098, 32.8670, 53.9418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1075, 34.4446, 99.3004 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, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 155, 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, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 155, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.1075, 34.4446, 99.3004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

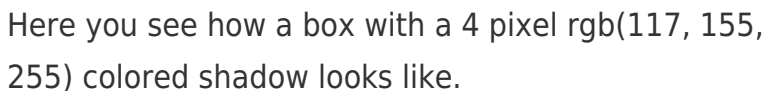
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 155, 255) }
```


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

```
.border{ border-color:rgb(117, 155, 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, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 155,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1075, 34.4446, 99.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 155, 255) }
```

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

```
.background{ background-color: rgb(117,  
155, 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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