

Converting Colors

XYZ(38.4902, 34.4363,
104.8466)

Have a look what the booklet for
XYZ(38.4902, 34.4363, 104.8466)
contains.

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Color

**XYZ(37.4673, 34.1400,
99.2227)**

Conversions

Conversions Part 1

Format	Color
Hex	7A99FF
RGB	122, 153, 255
RGB Percent	48%, 60%, 100%
CMY	0.5215, 0.4000, 0.0000
CMYK	0.52, 0.40, 0.00, 0.00
HSL	226°, 100%, 74%
HSV	226°, 52%, 100%
XYZ	37.4673, 34.1400, 99.2227
YIQ	155.3590, -51.2180, 25.1500

Conversions

Conversions Part 2

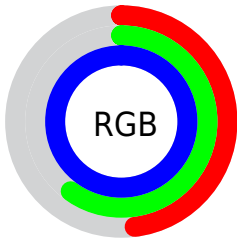
Format	Color
RYB	122, 147, 255
Decimal	8034815
CIELab	65.07, 17.16, -54.12
CIELCh	65, 56.774, 287.591
Yxy	34.1400, 0.2193, 0.1998
Android (android.graphics.Color)	4286224895 (0xFF7A99FF)
YUV	155.3590, 49.1230, -29.2558
Hunter-Lab	58.4294, 12.2098, -59.7835

Details

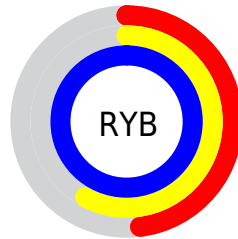
The XYZ color **37.4673, 34.1400, 99.2227** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.4102, 75.9793, 29.3163**, and the grayscale version is **31.1213, 32.7420, 35.6560**.

A 20% lighter version of the original color is **59.4189, 61.6694, 103.3794**, and **16.7480, 14.5098, 55.3440** is the 20% darker color. If you saturate the color by 10%, you get **31.3759, 26.6315, 98.0944**, and if you desaturate by 10%, it is **45.0328, 43.1882, 100.5704**.

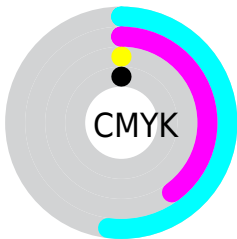
Distribution



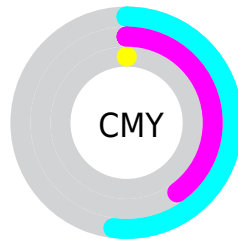
- Red (48%)
- Green (60%)
- Blue (100%)



- Red (48%)
- Yellow (58%)
- Blue (100%)



- Cyan (52%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4673, 34.1400, 99.2227 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 37.4673, 34.1400, 99.2227 by changing the saturation by 10% instead.

■ 37.4673, 34.1400,
99.2227

■ 37.4673, 34.1400,
99.2227

326.6498,
320.7559, 578.9231

■ 25.7448, 23.0012,
75.0383

■ 70.6001, 66.1513,
162.1311

■ 16.7645, 14.5944,
55.1423

■ 92.7411, 87.7926,
201.6922

■ 10.1610, 8.5352,
39.1163

■ 119.0857,
113.7035, 247.2160

■ 5.5689, 4.4393,
26.5417

149.9993,
144.2684, 299.1209

■ 2.6229, 1.9222,
16.9999

185.8471,
179.8717, 357.8255

■ 0.9577, 0.5617,
10.0725

226.9945,

■ 0.0000, 0.0000,

220.8977, 423.7484

5.3408

273.8070,
267.7310, 497.3081

■ 0.0000, 0.0000,
2.3864

■ 0.0000, 0.0000,
0.7790

■ 37.4673, 34.1400,
99.2227

■ 37.4673, 34.1400,
99.2227

■ 31.3759, 26.6315,
98.0944

■ 45.0328, 43.1882,
100.5704

■ 26.6537, 20.5692,
97.1732

■ 54.1601, 53.8552,
102.1483

■ 23.1868, 15.8538,
96.4458

■ 64.9343, 66.2183,
103.9668

■ 20.8394, 12.3703,
95.8971

■ 77.4329, 80.3490,
106.0355

■ 19.6361, 10.3923,
95.5787

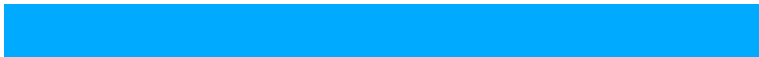
■ 91.7285, 96.3143,
108.3637

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.



29.1677, 34.1400, 101.2762



37.4673, 34.1400, 99.2227



45.5831, 34.1400, 76.8516

Triad

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



37.4673, 34.1400, 99.2227



44.3267, 34.1400, 12.7563



19.3243, 34.1400, 28.2642

Complementary

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



37.4673, 34.1400, 99.2227



71.4102, 75.9793, 29.3163

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.



22.1165, 34.1400, 14.2289



37.4673, 34.1400, 99.2227



35.9677, 34.1400, 8.1636

Square

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



37.4673, 34.1400, 99.2227



49.9802, 34.1400, 25.0954



27.9002, 34.1400, 8.5555



19.5874, 34.1400, 52.6105

Rectangle

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



37.4673, 34.1400, 99.2227



49.3762, 34.1400, 57.2511



27.9002, 34.1400, 8.5555



19.9140, 34.1400, 22.4413

Sweetspot

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



37.4685, 34.1411, 99.2228



72.4174, 74.7011, 105.2097



57.2372, 81.0382, 83.1236



14.9488, 15.3656, 22.4279



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.



37.4685, 34.1411, 99.2228



30.9250, 26.0640, 98.0087



39.0072, 28.3563, 98.0252



17.3465, 18.0647, 22.8225



10.3537, 5.6169, 49.9731



1.0871, 0.7050, 4.8920

Inverse Universe

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



53.9503, 37.4807, 34.5288



49.4244, 30.9880, 25.1311



68.6480, 88.0685, 31.7953



18.1828, 18.0564, 19.5798



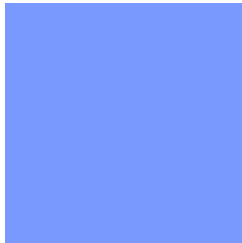
22.0142, 11.2950, 3.4595



2.1833, 1.1157, 0.5469

Previews

White Background



This preview shows how the XYZ color 37.4673, 34.1400, 99.2227 looks on a white background.

Color Contrast Check

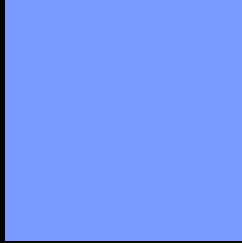
Large Text (above 18pt) WCAG AA × Fail

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 37.4673, 34.1400, 99.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

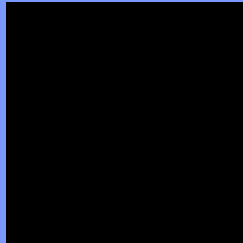
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4673, 34.1400, 99.2227

Background



This preview shows how black text looks on a background with the XYZ color 37.4673, 34.1400, 99.2227.



This preview shows how white text looks on a background with the XYZ color 37.4673, 34.1400,

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

37.4673, 34.1400, 99.2227

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

35.3718, 34.3188, 98.5258



Tritanopia

27.6685, 34.3500, 49.4279

Trichromacy



Original Color

37.4673, 34.1400, 99.2227

Protanomaly

37.2133, 34.2531, 99.2579

Deuteranomaly

35.9622, 34.1208, 98.4565

Tritanomaly

30.6692, 33.9236, 65.2531

Monochromacy



Original Color

37.4673, 34.1400, 99.2227

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.2873, 32.7124, 53.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4673, 34.1400, 99.2227 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(122, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 153, 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(122, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4673, 34.1400, 99.2227 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(122, 153, 255) }
```


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

```
.border{ border-color:rgb(122, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4673, 34.1400, 99.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 153, 255) }
```

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

```
.background{ background-color: rgb(122,  
153, 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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