

Converting Colors

XYZ(37.1657, 37.3172, 99.8518)

Have a look what the booklet for
XYZ(37.1657, 37.3172, 99.8518)
contains.

| | |
|--|----|
| XYZ(37.1657, 37.3172, 99.8518) | 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(37.1657, 37.3172,
99.8518)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 66A6FF |
| RGB | 102, 166, 255 |
| RGB Percent | 40%, 65%, 100% |
| CMY | 0.6000, 0.3490, 0.0000 |
| CMYK | 0.60, 0.35, 0.00, 0.00 |
| HSL | 215°, 100%, 70% |
| HSV | 215°, 60%, 100% |
| XYZ | 37.1657, 37.3172, 99.8518 |
| YIQ | 157.0100, -66.7130, 14.1110 |

Conversions

Conversions Part 2

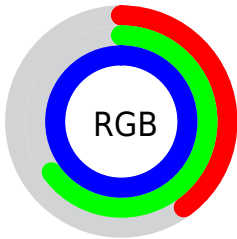
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 147, 255 |
| Decimal | 6727423 |
| CIELab | 67.51, 5.65, -50.32 |
| CIElCh | 68, 50.636, 276.408 |
| Yxy | 37.3172, 0.2132, 0.2141 |
| Android (android.graphics.Color) | 4284917503 (0xFF66A6FF) |
| YUV | 157.0100, 48.3091, -48.2438 |
| Hunter-Lab | 61.0878, 1.6954, -54.1517 |

Details

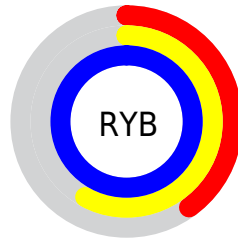
The XYZ color **37.1657, 37.3172, 99.8518** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **62.2708, 59.4837, 20.7720**, and the grayscale version is **31.8649, 33.5244, 36.5081**.

A 20% lighter version of the original color is **59.0107, 66.7194, 104.3757**, and **16.6547, 16.5093, 55.7349** is the 20% darker color. If you saturate the color by 10%, you get **32.1647, 30.9648, 98.8893**, and if you desaturate by 10%, it is **43.3688, 44.7521, 100.9600**.

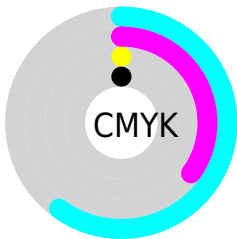
Distribution



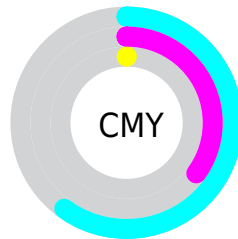
- Red (40%)
- Green (65%)
- Blue (100%)



- Red (40%)
- Yellow (58%)
- Blue (100%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1657, 37.3172, 99.8518 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 37.1657, 37.3172, 99.8518 by changing the saturation by 10% instead.

■ 37.1657, 37.3172,
99.8518

■ 37.1657, 37.3172,
99.8518

325.3704,
334.6818, 580.9600

■ 25.5101, 25.4532,
75.5606

■ 70.1397, 71.0604,
163.0036

■ 16.5882, 16.4150,
55.5678

■ 92.1889, 93.7083,
202.7013

■ 10.0348, 9.8183,
39.4548

■ 118.4332,
120.7197, 248.3715

■ 5.4845, 5.2787,
26.8032

149.2381,
152.4789, 300.4328

■ 2.5719, 2.4117,
17.1943

184.9689,
189.3703, 359.3038

■ 0.9317, 0.8319,
10.2097

225.9910,

■ 0.0000, 0.0000,

231.7783, 425.4030

5.4308

272.6697,
280.0874, 499.1489

■ 0.0000, 0.0000,
2.4391

■ 0.0000, 0.0000,
0.8076

■ 37.1657, 37.3172,
99.8518

■ 37.1657, 37.3172,
99.8518

■ 32.1647, 30.9648,
98.8893

■ 43.3688, 44.7521,
100.9600

■ 28.2670, 25.6267,
98.0644

■ 50.8539, 53.3240,
102.2200

■ 25.3619, 21.2299,
97.3688

■ 59.6980, 63.0873,
103.6384

■ 23.2731, 17.6661,
96.7910

■ 69.9705, 74.0914,
105.2210

■ 23.2725, 17.6651,
96.7908

■ 81.7359, 86.3826,
106.9733

95.0500, 100.0000,
108.9000

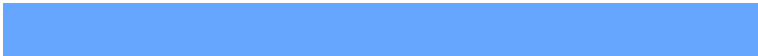
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.8093, 37.3172, 93.9356



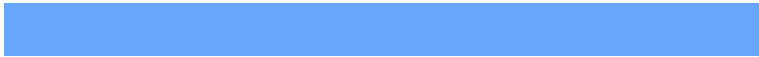
37.1657, 37.3172, 99.8518



45.1150, 37.3172, 85.8170

Triad

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



37.1657, 37.3172, 99.8518



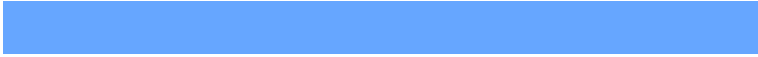
48.9303, 37.3172, 20.1306



23.4444, 37.3172, 25.7772

Complementary

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



37.1657, 37.3172, 99.8518



62.2708, 59.4837, 20.7720

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.



27.3062, 37.3172, 14.9756



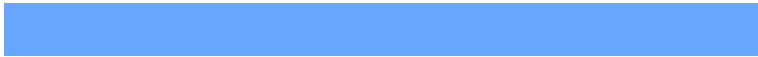
37.1657, 37.3172, 99.8518



41.8029, 37.3172, 12.6485

Square

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



37.1657, 37.3172, 99.8518



52.5192, 37.3172, 36.0333



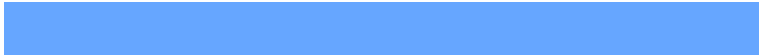
33.8245, 37.3172, 11.1861



22.5770, 37.3172, 45.6064

Rectangle

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



37.1657, 37.3172, 99.8518



49.4550, 37.3172, 69.2631



33.8245, 37.3172, 11.1861



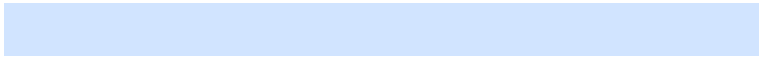
24.4047, 37.3172, 21.2303

Sweetspot

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



37.1670, 37.3184, 99.8520



72.1986, 76.4415, 105.5571



50.3936, 78.0065, 60.3763



14.7627, 15.6323, 22.4892



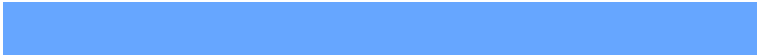
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.1670, 37.3184, 99.8520



31.2988, 29.8163, 98.7132



29.5107, 20.1827, 96.9480



17.6273, 18.6262, 22.9161



12.2999, 9.5094, 50.6218



1.3026, 1.1359, 4.9639

Inverse Universe

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



52.8753, 33.5176, 39.7600



48.8796, 27.9619, 30.9196



75.7453, 91.8561, 26.3103



18.3245, 18.1131, 20.3261



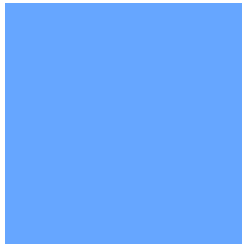
22.9966, 11.6879, 8.6327



2.2921, 1.1592, 1.1197

Previews

White Background



This preview shows how the XYZ color 37.1657, 37.3172, 99.8518 looks on a white background.

Color Contrast Check

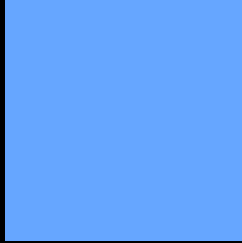
Large Text (above 18pt) WCAG AA × Fail

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 37.1657, 37.3172, 99.8518 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

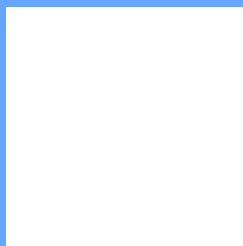
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1657, 37.3172, 99.8518

Background



This preview shows how black text looks on a background with the XYZ color 37.1657, 37.3172, 99.8518.



This preview shows how white text looks on a background with the XYZ color 37.1657, 37.3172,

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

37.1657, 37.3172, 99.8518

Protanopia

39.5159, 37.2974, 95.5589

Deuteranopia

38.2174, 37.0592, 99.7466



Tritanopia

28.5698, 37.5463, 56.1935

Trichromacy



Original Color

37.1657, 37.3172, 99.8518

Protanomaly

38.5530, 37.2876, 97.2607

Deuteranomaly

37.7559, 37.0859, 99.7761

Tritanomaly

31.1869, 37.1148, 70.4859

Monochromacy



Original Color

37.1657, 37.3172, 99.8518

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5130, 34.3102, 55.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1657, 37.3172, 99.8518 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(102, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 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(102, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.1657, 37.3172, 99.8518 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(102, 166, 255) }
```


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

```
.border{ border-color:rgb(102, 166, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 166, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1657, 37.3172, 99.8518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 255) }
```

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

```
.background{ background-color: rgb(102,  
166, 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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