

Converting Colors

XYZ(37.3661, 37.7179, 99.9186)

Have a look what the booklet for
XYZ(37.3661, 37.7179, 99.9186)
contains.

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Color

**XYZ(37.3482, 37.6822,
99.9127)**

Conversions

Conversions Part 1

Format	Color
Hex	66A7FF
RGB	102, 167, 255
RGB Percent	40%, 65%, 100%
CMY	0.6000, 0.3451, 0.0000
CMYK	0.60, 0.35, 0.00, 0.00
HSL	215°, 100%, 70%
HSV	215°, 60%, 100%
XYZ	37.3482, 37.6822, 99.9127
YIQ	157.5970, -66.9880, 13.5880

Conversions

Conversions Part 2

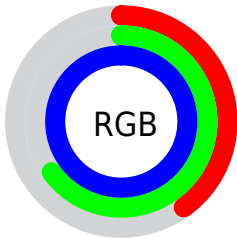
Format	Color
RYB	102, 148, 255
Decimal	6727679
CIELab	67.79, 5.08, -49.89
CIELCh	68, 50.149, 275.813
Yxy	37.6822, 0.2135, 0.2154
Android (android.graphics.Color)	4284917759 (0xFF66A7FF)
YUV	157.5970, 48.0197, -48.7586
Hunter-Lab	61.3858, 1.1773, -53.5314

Details

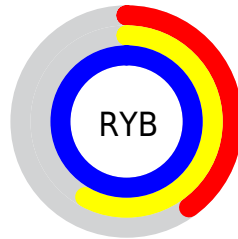
The XYZ color **37.3482, 37.6822, 99.9127** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **62.0534, 59.0490, 20.6995**, and the grayscale version is **32.1300, 33.8033, 36.8118**.

A 20% lighter version of the original color is **59.2755, 67.2491, 104.4640**, and **16.7693, 16.7386, 55.7731** is the 20% darker color. If you saturate the color by 10%, you get **32.3537, 31.3427, 98.9523**, and if you desaturate by 10%, it is **43.5385, 45.0917, 101.0166**.

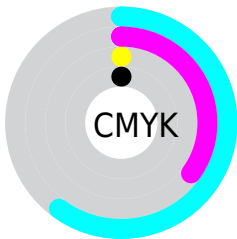
Distribution



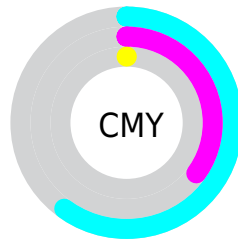
- Red (40%)
- Green (65%)
- Blue (100%)



- 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 37.3482, 37.6822, 99.9127 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 37.3482, 37.6822, 99.9127 by changing the saturation by 10% instead.

■ 37.3482, 37.6822,
99.9127

■ 37.3482, 37.6822,
99.9127

326.1450,
336.2547, 581.1570

■ 25.6521, 25.7361,
75.6112

■ 70.4184, 71.6208,
163.0880

■ 16.6949, 16.6263,
55.6090

■ 92.5231, 94.3821,
202.7989

■ 10.1111, 9.9684,
39.4876

■ 118.8282,
121.5172, 248.4833

■ 5.5355, 5.3780,
26.8285

149.6989,
153.4106, 300.5598

■ 2.6027, 2.4707,
17.2132

185.5005,
190.4467, 359.4468

■ 0.9473, 0.8619,
10.2230

226.5985,

■ 0.0000, 0.0000,

233.0098, 425.5630

5.4396

273.3582,
281.4843, 499.3269

■ 0.0000, 0.0000,
2.4442

■ 0.0000, 0.0000,
0.8104

■ 37.3482, 37.6822,
99.9127

■ 37.3482, 37.6822,
99.9127

■ 32.3537, 31.3427,
98.9523

■ 43.5385, 45.0917,
101.0166

■ 28.4565, 26.0058,
98.1275

■ 51.0042, 53.6248,
102.2701

■ 25.5466, 21.5993,
97.4304

■ 59.8220, 63.3354,
103.6797

■ 23.4479, 18.0157,
96.8493

■ 70.0608, 74.2721,
105.2511

■ 23.4473, 18.0147,
96.8491

■ 81.7850, 86.4808,
106.9897

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.



30.0438, 37.6822, 93.6558



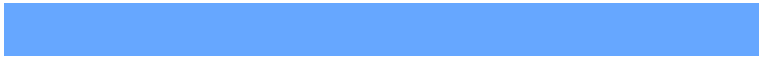
37.3482, 37.6822, 99.9127



45.2748, 37.6822, 86.3519

Triad

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



37.3482, 37.6822, 99.9127



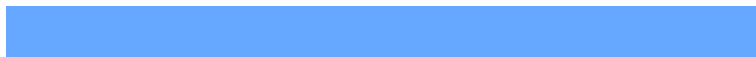
49.3288, 37.6822, 20.7613



23.8566, 37.6822, 25.8940

Complementary

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



37.3482, 37.6822, 99.9127



62.0534, 59.0490, 20.6995

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.



27.7755, 37.6822, 15.2174



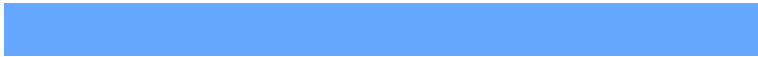
37.3482, 37.6822, 99.9127



42.2834, 37.6822, 13.0910

Square

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



37.3482, 37.6822, 99.9127



52.8044, 37.6822, 36.8523



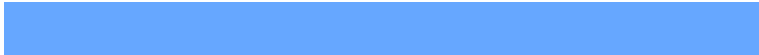
34.3259, 37.6822, 11.5103



22.9284, 37.6822, 45.5110

Rectangle

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



37.3482, 37.6822, 99.9127



49.6299, 37.6822, 70.0281



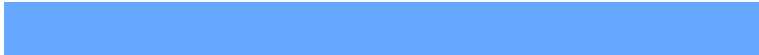
34.3259, 37.6822, 11.5103



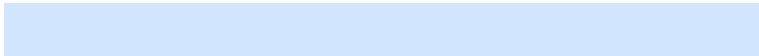
24.8371, 37.6822, 21.3982

Sweetspot

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



37.3495, 37.6834, 99.9128



72.2813, 76.6070, 105.5847



50.3935, 78.0065, 60.3763



14.7828, 15.6724, 22.4959



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.



37.3495, 37.6834, 99.9128



31.4883, 30.1955, 98.7764



29.5107, 20.1827, 96.9480



17.6373, 18.6463, 22.9195



12.3923, 9.6942, 50.6526



1.3121, 1.1550, 4.9670

Inverse Universe

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



52.9674, 33.5544, 40.2452



48.9753, 28.0002, 31.4235



75.7453, 91.8561, 26.3102



18.3296, 18.1152, 20.3528



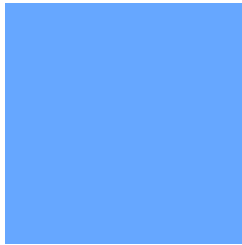
23.0433, 11.7066, 8.8783



2.2969, 1.1611, 1.1450

Previews

White Background



This preview shows how the XYZ color 37.3482, 37.6822, 99.9127 looks on a white background.

Color Contrast Check

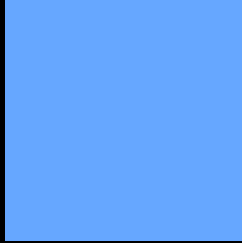
Large Text (above 18pt) WCAG AA × Fail

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 37.3482, 37.6822, 99.9127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

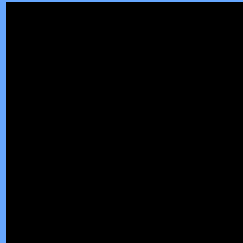
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

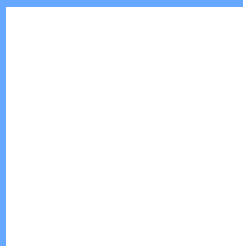
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3482, 37.6822, 99.9127

Background



This preview shows how black text looks on a background with the XYZ color 37.3482, 37.6822, 99.9127.

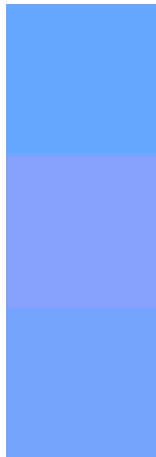


This preview shows how white text looks on a background with the XYZ color 37.3482, 37.6822,

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

37.3482, 37.6822, 99.9127

Protanopia

39.6731, 37.3784, 95.5662

Deuteranopia

38.6616, 37.5528, 99.8185



Tritanopia

28.7594, 37.6311, 56.7867

Trichromacy



Original Color

37.3482, 37.6822, 99.9127

Protanomaly

38.6939, 37.3602, 97.2673

Deuteranomaly

38.1872, 37.5750, 99.8478

Tritanomaly

31.4710, 37.5491, 70.5548

Monochromacy



Original Color

37.3482, 37.6822, 99.9127

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8517, 34.7433, 55.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3482, 37.6822, 99.9127 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3482, 37.6822, 99.9127 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, 167, 255) }
```


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

```
.border{ border-color:rgb(102, 167, 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, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3482, 37.6822, 99.9127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 255) }
```

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

```
.background{ background-color: rgb(102,  
167, 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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