

Converting Colors

XYZ(34.1997, 37.0802, 99.0991)

Have a look what the booklet for
XYZ(34.1997, 37.0802, 99.0991)
contains.

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Color

**XYZ(34.2559, 37.2114,
99.1430)**

Conversions

Conversions Part 1

Format	Color
Hex	3BABFE
RGB	59, 171, 254
RGB Percent	23%, 67%, 100%
CMY	0.7686, 0.3294, 0.0039
CMYK	0.77, 0.33, 0.00, 0.00
HSL	206°, 99%, 61%
HSV	206°, 77%, 100%
XYZ	34.2559, 37.2114, 99.1430
YIQ	146.9740, -93.3950, 2.0690

Conversions

Conversions Part 2

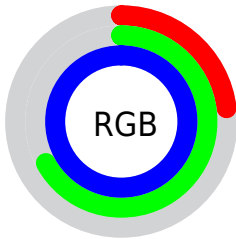
Format	Color
R _Y B	59, 130, 254
Decimal	3910654
CIE Lab	67.44, -3.81, -50.00
CIE LCh	67, 50.140, 265.641
Yxy	37.2114, 0.2008, 0.2181
Android (android.graphics.Color)	4282100734 (0xFF3BABFE)
YUV	146.9740, 52.7638, -77.1532
Hunter-Lab	61.0011, -6.5133, -53.6611

Details

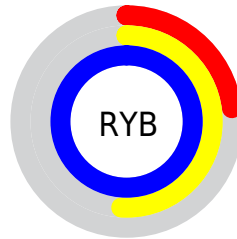
The XYZ color **34.2559, 37.2114, 99.1430** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **51.3382, 40.7370, 9.2969**, and the grayscale version is **27.5412, 28.9755, 31.5544**.

A 20% lighter version of the original color is **54.7621, 66.5182, 104.5608**, and **16.6749, 17.2249, 55.2692** is the 20% darker color. If you saturate the color by 10%, you get **31.1404, 32.6969, 98.4366**, and if you desaturate by 10%, it is **38.2728, 42.4395, 99.9412**.

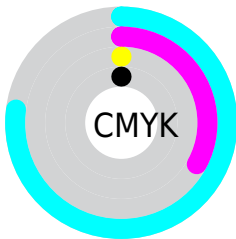
Distribution



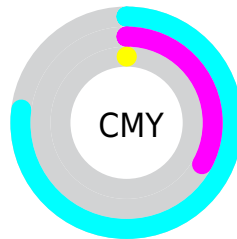
- Red (23%)
- Green (67%)
- Blue (100%)



- Red (23%)
- Yellow (51%)
- Blue (100%)



- Cyan (77%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2559, 37.2114, 99.1430 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 34.2559, 37.2114, 99.1430 by changing the saturation by 10% instead.

■ 34.2559, 37.2114,
99.1430

■ 34.2559, 37.2114,
99.1430

312.8375,
334.2249, 578.6647

■ 23.2541, 25.3712,
74.9721

■ 65.6731, 70.8978,
162.0206

■ 14.9030, 16.3538,
55.0885

■ 86.8191, 93.5128,
201.5643

■ 8.8372, 9.7749,
39.0735

■ 112.0773,
120.4882, 247.0695

■ 4.6914, 5.2500,
26.5086

■ 141.8130,
152.2084, 298.9545

■ 2.1002, 2.3947,
16.9754

176.3914,
189.0577, 357.6380

■ 0.6893, 0.8231,
10.0551

216.1781,

■ 0.0000, 0.0000,

231.4207, 423.5386

5.3295

261.5383,
279.6816, 497.0746

■ 0.0000, 0.0000,
2.3797

■ 0.0000, 0.0000,
0.7754

■ 34.2559, 37.2114,
99.1430

■ 34.2559, 37.2114,
99.1430

■ 31.1404, 32.6969,
98.4366

■ 38.2728, 42.4395,
99.9412

■ 28.7997, 28.8235,
97.8123

■ 43.2843, 48.4337,
100.8341

■ 28.1502, 27.6770,
97.6253

■ 49.3753, 55.2435,
101.8275

■ 56.6198, 62.9126,
102.9259

■ 65.0848, 71.4806,
104.1336

■ 74.8317, 80.9843,
105.4542

■ 85.9177, 91.4580,
106.8916

■ 94.8895, 99.9358,
108.0551

Harmonies

Analogous

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



27.6592, 37.2114, 86.5197



34.2559, 37.2114, 99.1430



42.1638, 37.2114, 91.9697

Triad

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



34.2559, 37.2114, 99.1430



50.4511, 37.2114, 24.8097



24.5079, 37.2114, 21.0015

Complementary

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



34.2559, 37.2114, 99.1430



51.3382, 40.7370, 9.2969

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.



29.3453, 37.2114, 13.0672



34.2559, 37.2114, 99.1430



44.3913, 37.2114, 14.6407

Square

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



34.2559, 37.2114, 99.1430



52.2642, 37.2114, 43.8228



36.5046, 37.2114, 11.2537



22.5735, 37.2114, 37.3815

Rectangle

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



34.2559, 37.2114, 99.1430



47.0344, 37.2114, 77.9417



36.5046, 37.2114, 11.2537



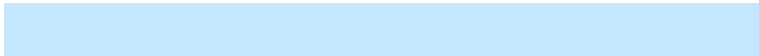
25.8109, 37.2114, 17.5283

Sweetspot

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



34.2573, 37.2126, 99.1440



69.2126, 75.6157, 105.5551



41.9994, 73.7156, 36.9261



14.0849, 15.4659, 22.4928



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.



34.2573, 37.2126, 99.1440



30.0911, 30.8619, 98.9787



22.2280, 13.1540, 95.1342



17.8693, 19.1102, 22.9968



14.9903, 14.8903, 51.5186



1.5679, 1.6666, 5.0523

Inverse Universe

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



49.7890, 27.1408, 41.1436



47.4253, 24.1458, 33.2325



72.1656, 82.3918, 16.2393



18.4467, 18.1620, 20.9694



24.3546, 12.2311, 15.7838



2.4260, 1.2128, 1.8249

Previews

White Background



This preview shows how the XYZ color 34.2559, 37.2114, 99.1430 looks on a white background.

Color Contrast Check

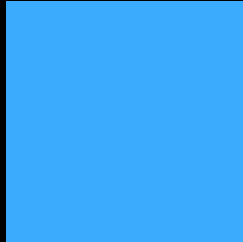
Large Text (above 18pt) WCAG AA × Fail

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 34.2559, 37.2114, 99.1430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

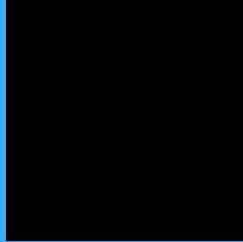
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

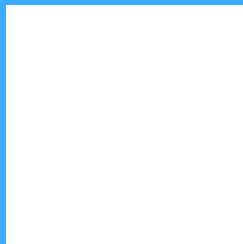
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2559, 37.2114, 99.1430

Background



This preview shows how black text looks on a background with the XYZ color 34.2559, 37.2114, 99.1430.

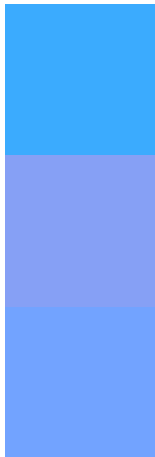


This preview shows how white text looks on a background with the XYZ color 34.2559, 37.2114,

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

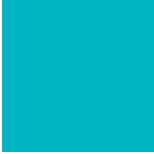
34.2559, 37.2114, 99.1430

Protanopia

38.8838, 36.8025, 91.4404

Deuteranopia

38.0866, 36.9918, 99.7405



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

34.2559, 37.2114, 99.1430

Protanomaly

36.2821, 36.4540, 93.9310

Deuteranomaly

36.3023, 36.8721, 99.8114

Tritanomaly

28.4261, 36.5616, 70.5246

Monochromacy



Original Color

34.2559, 37.2114, 99.1430

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.8216, 30.9669, 50.9652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2559, 37.2114, 99.1430 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(59, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(59, 171, 254)  
}
```

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(59, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 171, 254) }
```

Border

The CSS property to change the border of an element to XYZ 34.2559, 37.2114, 99.1430 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(59, 171, 254) }
```


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

```
.border{ border-color:rgb(59, 171, 254) }
```

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

Here you see how a box with a 4 pixel rgb(59, 171, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 171, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 171, 254);  
box-shadow:4px 4px 4px 4px rgb(59, 171,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2559, 37.2114, 99.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 171, 254) }
```

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

```
.background{ background-color: rgb(59, 171,  
254) }
```

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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