

Converting Colors

XYZ(34.1136, 37.3205,
100.0133)

Have a look what the booklet for
XYZ(34.1136, 37.3205, 100.0133)
contains.

XYZ(34.1678, 37.4289, 100.0314)	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(34.1678, 37.4289,
100.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	33ACFF
RGB	51, 172, 255
RGB Percent	20%, 67%, 100%
CMY	0.7999, 0.3255, 0.0000
CMYK	0.80, 0.33, 0.00, 0.00
HSL	204°, 100%, 60%
HSV	204°, 80%, 100%
XYZ	34.1678, 37.4289, 100.0314
YIQ	145.2830, -98.7590, 0.1610

Conversions

Conversions Part 2

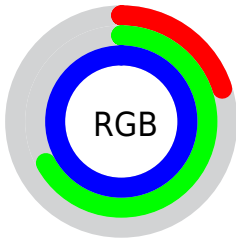
Format	Color
R _{YB}	51, 127, 255
Decimal	3386623
CIE Lab	67.60, -4.82, -50.29
CIE LCh	68, 50.523, 264.531
Yxy	37.4289, 0.1991, 0.2181
Android (android.graphics.Color)	4281576703 (0xFF33ACFF)
YUV	145.2830, 54.0905, -82.6862
Hunter-Lab	61.1792, -7.3735, -54.1171

Details

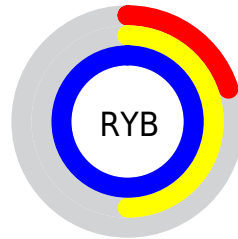
The XYZ color **34.1678, 37.4289, 100.0314** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.3654, 38.5541, 7.9213**, and the grayscale version is **26.8471, 28.2452, 30.7590**.

A 20% lighter version of the original color is **54.4212, 66.7474, 104.6230**, and **16.9095, 17.5102, 55.9147** is the 20% darker color. If you saturate the color by 10%, you get **31.3184, 33.1425, 99.3542**, and if you desaturate by 10%, it is **37.8773, 42.3886, 100.7932**.

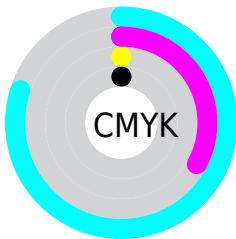
Distribution



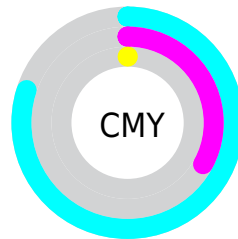
- Red (20%)
- Green (67%)
- Blue (100%)



- Red (20%)
- Yellow (50%)
- Blue (100%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1678, 37.4289, 100.0314 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 34.1678, 37.4289, 100.0314 by changing the saturation by 10% instead.

■ 34.1678, 37.4289,
100.0314

■ 34.1678, 37.4289,
100.0314

312.4524,
335.1637, 581.5409

■ 23.1860, 25.5397,
75.7097

■ 65.5371, 71.2319,
163.2526

■ 14.8524, 16.4796,
55.6893

■ 86.6553, 93.9146,
202.9892

■ 8.8015, 9.8642,
39.5515

■ 111.8831,
120.9639, 248.7012

■ 4.6680, 5.3090,
26.8779

■ 141.5857,
152.7643, 300.8071

■ 2.0866, 2.4297,
17.2499

176.1286,
189.7000, 359.7255

■ 0.6819, 0.8411,
10.2490

215.8771,

■ 0.0000, 0.0000,

232.1556, 425.8749

5.4566

261.1966,
280.5153, 499.6738

■ 0.0000, 0.0000,
2.4542

■ 0.0000, 0.0000,
0.8157

■ 34.1678, 37.4289,
100.0314

■ 34.1678, 37.4289,
100.0314

■ 31.3184, 33.1425,
99.3542

■ 37.8773, 42.3886,
100.7932

■ 29.1572, 29.4340,
98.7523

■ 42.5471, 48.0769,
101.6450

■ 29.1557, 29.4314,
98.7519

■ 48.2663, 54.5449,
102.5920

■ 55.1119, 61.8370,
103.6388

■ 63.1530, 69.9936,
104.7893

■ 72.4529, 79.0518,
106.0476

■ 83.0702, 89.0459,
107.4171

■ 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.



27.5793, 37.4289, 86.5689



34.1678, 37.4289, 100.0314



42.1565, 37.4289, 93.4954

Triad

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



34.1678, 37.4289, 100.0314



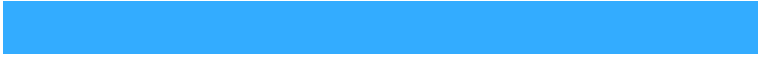
50.9986, 37.4289, 25.4246



24.7266, 37.4289, 20.6011

Complementary

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



34.1678, 37.4289, 100.0314



50.3654, 38.5541, 7.9213

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.



29.7169, 37.4289, 12.8773



34.1678, 37.4289, 100.0314



44.9837, 37.4289, 14.8666

Square

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



34.1678, 37.4289, 100.0314



52.6467, 37.4289, 44.9763



37.0204, 37.4289, 11.2473



22.6615, 37.4289, 36.8041

Rectangle

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



34.1678, 37.4289, 100.0314



47.1349, 37.4289, 79.5744



37.0204, 37.4289, 11.2473



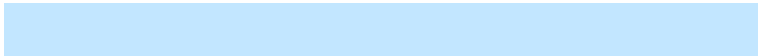
26.0790, 37.4289, 17.2011

Sweetspot

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



34.1691, 37.4301, 100.0316



68.5710, 75.3112, 105.5302



41.3330, 73.9070, 34.1368



13.9757, 15.4345, 22.4925



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.



34.1691, 37.4301, 100.0316



29.9645, 30.8595, 98.9849



21.6961, 12.4840, 95.8739



17.8988, 19.1691, 23.0066



15.3850, 15.6795, 51.6502



1.6054, 1.7415, 5.0648

Inverse Universe

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



49.8712, 26.6080, 41.5380



47.3002, 23.8612, 33.2963



71.4324, 80.6881, 14.9437



18.4615, 18.1679, 21.0476



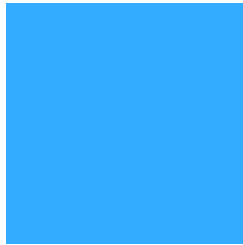
24.5538, 12.3108, 16.8327



2.4449, 1.2203, 1.9244

Previews

White Background



This preview shows how the XYZ color 34.1678, 37.4289, 100.0314 looks on a white background.

Color Contrast Check

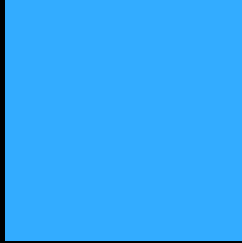
Large Text (above 18pt) WCAG AA × Fail

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 34.1678, 37.4289, 100.0314 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

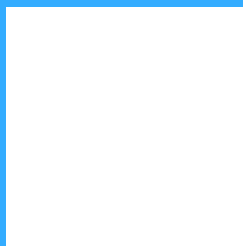
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1678, 37.4289, 100.0314

Background



This preview shows how black text looks on a background with the XYZ color 34.1678, 37.4289, 100.0314.

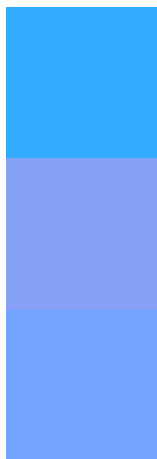


This preview shows how white text looks on a background with the XYZ color 34.1678, 37.4289,

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

34.1678, 37.4289, 100.0314

Protanopia

39.0578, 37.1506, 91.4984

Deuteranopia

38.0866, 36.9918, 99.7405



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

34.1678, 37.4289, 100.0314

Protanomaly

36.2629, 36.6929, 94.7937

Deuteranomaly

36.0006, 36.7166, 99.7973

Tritanomaly

28.7133, 36.9890, 71.2719

Monochromacy



Original Color

34.1678, 37.4289, 100.0314

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0338, 30.3250, 50.3274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1678, 37.4289, 100.0314 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(51, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 172, 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(51, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.1678, 37.4289, 100.0314 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(51, 172, 255) }
```


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

```
.border{ border-color:rgb(51, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1678, 37.4289, 100.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 172, 255) }
```

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

```
.background{ background-color: rgb(51, 172,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor