

Converting Colors

XYZ(37.4949, 43.2534,
100.9803)

Have a look what the booklet for
XYZ(37.4949, 43.2534, 100.9803)
contains.

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Color

**XYZ(37.5334, 43.3299,
100.9930)**

Conversions

Conversions Part 1

Format	Color
Hex	3DBAFF
RGB	61, 186, 255
RGB Percent	24%, 73%, 100%
CMY	0.7607, 0.2706, 0.0000
CMYK	0.76, 0.27, 0.00, 0.00
HSL	201°, 100%, 62%
HSV	201°, 76%, 100%
XYZ	37.5334, 43.3299, 100.9930
YIQ	156.4910, -96.6490, -5.0410

Conversions

Conversions Part 2

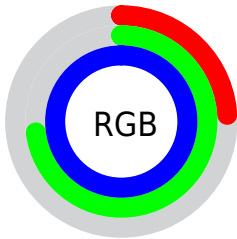
Format	Color
R _{YB}	61, 137, 255
Decimal	4045567
CIE Lab	71.78, -11.53, -43.71
CIE LCh	72, 45.200, 255.226
Yxy	43.3299, 0.2064, 0.2383
Android (android.graphics.Color)	4282235647 (0xFF3DBAFF)
YUV	156.4910, 48.5649, -83.7456
Hunter-Lab	65.8255, -13.4146, -44.8881

Details

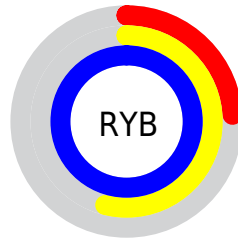
The XYZ color **37.5334, 43.3299, 100.9930** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **50.0672, 37.5661, 9.0293**, and the grayscale version is **31.6424, 33.2902, 36.2531**.

A 20% lighter version of the original color is **59.6336, 75.7926, 106.0942**, and **18.5806, 20.8523, 56.4717** is the 20% darker color. If you saturate the color by 10%, you get **34.4695, 39.0039, 100.3195**, and if you desaturate by 10%, it is **41.4667, 48.2856, 101.7423**.

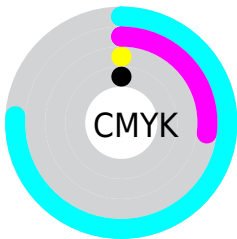
Distribution



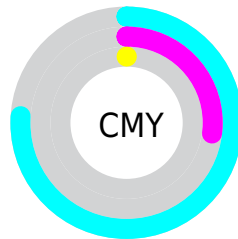
- Red (24%)
- Green (73%)
- Blue (100%)



- Red (24%)
- Yellow (54%)
- Blue (100%)



- Cyan (76%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5334, 43.3299, 100.9930 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 37.5334, 43.3299, 100.9930 by changing the saturation by 10% instead.

37.5334, 43.3299,
100.9930

37.5334, 43.3299,
100.9930

326.9297,
359.9667, 584.6455

25.7963, 30.1440,
76.5086

70.7009, 80.2085,
164.5849

16.8032, 19.9479,
56.3405

92.8621, 104.6699,
204.5294

10.1887, 12.3572,
40.0702

119.2286,
133.6588, 250.4645

5.5875, 6.9874,
27.2790

150.1659,
167.5593, 302.8085

2.6342, 3.4542,
17.5486

186.0393,
206.7560, 361.9801

0.9634, 1.3732,
10.4603

227.2142,

0.0000, 0.1969,

251.6332, 428.3977

5.5956

274.0558,
302.5753, 502.4800

■ 0.0000, 0.0000,
2.5360

■ 0.0000, 0.0000,
0.8592

■ 37.5334, 43.3299,
100.9930

■ 37.5334, 43.3299,
100.9930

■ 34.4695, 39.0039,
100.3195

■ 41.4667, 48.2856,
101.7423

■ 32.1525, 35.2390,
99.7149

■ 46.3608, 53.9192,
102.5717

■ 31.3791, 33.8782,
99.4930

■ 52.2990, 60.2775,
103.4860

■ 59.3539, 67.4009,
104.4891

■ 67.5911, 75.3263,
105.5847

■ 77.0708, 84.0878,
106.7762

■ 87.8492, 93.7169,
108.0668

■ 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.



31.6383, 43.3299, 83.9989



37.5334, 43.3299, 100.9930



45.1831, 43.3299, 100.8496

Triad

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



37.5334, 43.3299, 100.9930



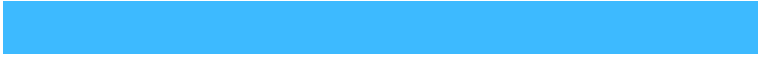
57.1304, 43.3299, 36.9252



31.5693, 43.3299, 23.2301

Complementary

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



37.5334, 43.3299, 100.9930



50.0672, 37.5661, 9.0293

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.



37.4277, 43.3299, 17.0163



37.5334, 43.3299, 100.9930



52.4786, 43.3299, 23.0833

Square

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



37.5334, 43.3299, 100.9930



57.1679, 43.3299, 58.8001



45.0635, 43.3299, 16.9725



28.4969, 43.3299, 37.1996

Rectangle

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



37.5334, 43.3299, 100.9930



50.2975, 43.3299, 90.8193



45.0635, 43.3299, 16.9725



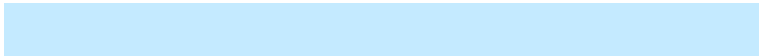
33.2433, 43.3299, 20.3875

Sweetspot

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



37.5348, 43.3313, 100.9932



70.3685, 77.9275, 105.9404



41.6420, 74.0952, 32.8447



14.3653, 16.0267, 22.5863



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.



37.5348, 43.3313, 100.9932



33.2429, 37.0830, 100.0134



23.6412, 15.5441, 96.3620



17.9795, 19.3305, 23.0335



16.5424, 17.9943, 52.0360



1.7138, 1.9584, 5.1009

Inverse Universe

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



51.7728, 28.1445, 49.1592



49.0363, 24.8672, 41.4783



69.2526, 75.9367, 15.4244



18.5023, 18.1842, 21.2621



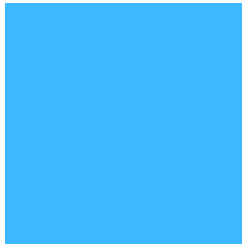
25.1380, 12.5445, 19.9091



2.4997, 1.2422, 2.2127

Previews

White Background



This preview shows how the XYZ color 37.5334, 43.3299, 100.9930 looks on a white background.

Color Contrast Check

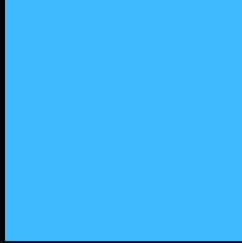
Large Text (above 18pt) WCAG AA × Fail

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 37.5334, 43.3299, 100.9930 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

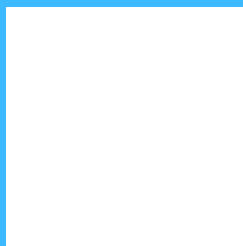
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5334, 43.3299, 100.9930

Background



This preview shows how black text looks on a background with the XYZ color 37.5334, 43.3299, 100.9930.



This preview shows how white text looks on a background with the XYZ color 37.5334, 43.3299,

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

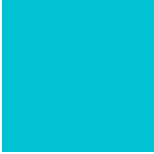
37.5334, 43.3299, 100.9930

Protanopia

44.2185, 42.8090, 91.5203

Deuteranopia

44.0013, 43.0676, 100.6015



Tritanopia

30.9246, 43.2367, 67.6884

Trichromacy



Original Color

37.5334, 43.3299, 100.9930

Protanomaly

40.4111, 42.2147, 94.8253

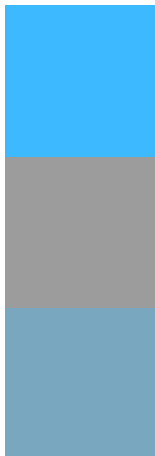
Deuteranomaly

40.5259, 42.4403, 100.6636

Tritanomaly

32.6891, 42.9232, 78.5136

Monochromacy



Original Color

37.5334, 43.3299, 100.9930

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2183, 35.5082, 55.0776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5334, 43.3299, 100.9930 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(61, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 186, 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(61, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.5334, 43.3299, 100.9930 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(61, 186, 255) }
```


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

```
.border{ border-color:rgb(61, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5334, 43.3299, 100.9930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 186, 255) }
```

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

```
.background{ background-color: rgb(61, 186,  
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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