

Converting Colors

XYZ(37.4337, 43.3221,
100.2295)

Have a look what the booklet for
XYZ(37.4337, 43.3221, 100.2295)
contains.

XYZ(37.3728, 43.2657, 100.1473)	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(37.3728, 43.2657,
100.1473)**

Conversions

Conversions Part 1

Format	Color
Hex	3DBAFE
RGB	61, 186, 254
RGB Percent	24%, 73%, 100%
CMY	0.7607, 0.2706, 0.0039
CMYK	0.76, 0.27, 0.00, 0.00
HSL	201°, 99%, 62%
HSV	201°, 76%, 100%
XYZ	37.3728, 43.2657, 100.1473
YIQ	156.3770, -96.3280, -5.3520

Conversions

Conversions Part 2

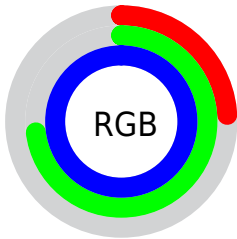
Format	Color
RYB	61, 137, 254
Decimal	4045566
CIELab	71.73, -11.86, -43.23
CIELCh	72, 44.832, 254.656
Yxy	43.2657, 0.2067, 0.2393
Android (android.graphics.Color)	4282235646 (0xFF3DBAFE)
YUV	156.3770, 48.1281, -83.6456
Hunter-Lab	65.7767, -13.6895, -44.2275

Details

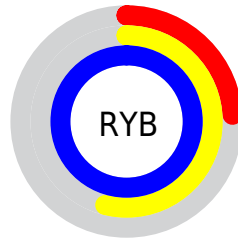
The XYZ color **37.3728, 43.2657, 100.1473** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **49.5683, 37.1124, 8.9679**, and the grayscale version is **31.5933, 33.2386, 36.1969**.

A 20% lighter version of the original color is **59.6336, 75.7926, 106.0942**, and **18.4656, 20.8063, 55.8661** is the 20% darker color. If you saturate the color by 10%, you get **34.3363, 38.9890, 99.4827**, and if you desaturate by 10%, it is **41.2701, 48.1628, 100.8880**.

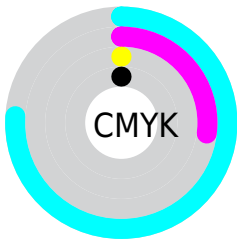
Distribution



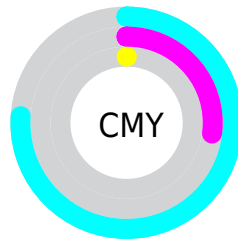
- Red (24%)
- Green (73%)
- Blue (100%)



- 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 37.3728, 43.2657, 100.1473 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 37.3728, 43.2657, 100.1473 by changing the saturation by 10% instead.

■ 37.3728, 43.2657,
100.1473

■ 37.3728, 43.2657,
100.1473

326.2493,
359.7033, 581.9155

■ 25.6713, 30.0936,
75.8060

■ 70.4559, 80.1117,
163.4132

■ 16.7093, 19.9097,
55.7677

■ 92.5682, 104.5543,
203.1749

■ 10.1214, 12.3294,
39.6140

■ 118.8814,
133.5227, 248.9139

■ 5.5424, 6.9684,
26.9262

■ 149.7609,
167.4011, 301.0485

■ 2.6069, 3.4424,
17.2859

185.5721,
206.5740, 359.9975

■ 0.9495, 1.3668,
10.2744

226.6804,

■ 0.0000, 0.1921,

251.4257, 426.1793

5.4733

273.4510,
302.3407, 500.0125

■ 0.0000, 0.0000,
2.4640

■ 0.0000, 0.0000,
0.8210

■ 37.3728, 43.2657,
100.1473

■ 37.3728, 43.2657,
100.1473

■ 34.3363, 38.9890,
99.4827

■ 41.2701, 48.1628,
100.8880

■ 32.0390, 35.2649,
98.8850

■ 46.1178, 53.7275,
101.7066

■ 31.2553, 33.8873,
98.6604

■ 51.9984, 60.0063,
102.6086

■ 58.9838, 67.0389,
103.5979

■ 67.1388, 74.8618,
104.6780

■ 76.5231, 83.5085,
105.8524

■ 87.1919, 93.0102,
107.1241

■ 94.8896, 99.9358,
108.0552

Harmonies

Analogous

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



31.5717, 43.2657, 83.1073



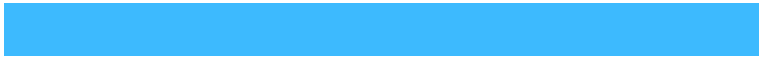
37.3728, 43.2657, 100.1473



44.9354, 43.2657, 100.3626

Triad

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



37.3728, 43.2657, 100.1473



56.9573, 43.2657, 37.2859



31.6759, 43.2657, 23.1538

Complementary

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



37.3728, 43.2657, 100.1473



49.5683, 37.1124, 8.9679

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.



37.5321, 43.2657, 17.0945



37.3728, 43.2657, 100.1473



52.4285, 43.2657, 23.3759

Square

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



37.3728, 43.2657, 100.1473



56.9009, 43.2657, 59.0846



45.1155, 43.2657, 17.1607



28.5696, 43.2657, 36.8719

Rectangle

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



37.3728, 43.2657, 100.1473



50.0128, 43.2657, 90.6465



45.1155, 43.2657, 17.1607



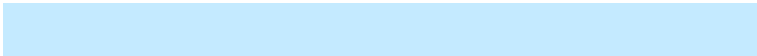
33.3540, 43.2657, 20.3714

Sweetspot

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



37.3744, 43.2672, 100.1484



70.4243, 78.0391, 105.9590



41.3009, 73.4502, 32.6165



14.3789, 16.0539, 22.5908



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.



37.3744, 43.2672, 100.1484



33.3912, 37.3796, 100.0628



23.4681, 15.4546, 95.5130



17.9847, 19.3411, 23.0353



16.6220, 18.1535, 52.0625



1.7212, 1.9732, 5.1034

Inverse Universe

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



51.4062, 27.9554, 49.1422



49.1112, 24.8971, 41.8726



68.6558, 75.2873, 15.3304



18.5049, 18.1853, 21.2762



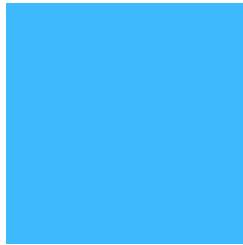
25.1782, 12.5606, 20.1207



2.5034, 1.2437, 2.2324

Previews

White Background



This preview shows how the XYZ color 37.3728, 43.2657, 100.1473 looks on a white background.

Color Contrast Check

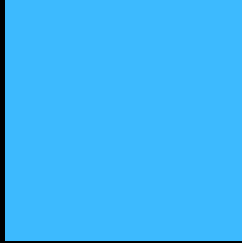
Large Text (above 18pt) WCAG AA × Fail

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 37.3728, 43.2657, 100.1473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

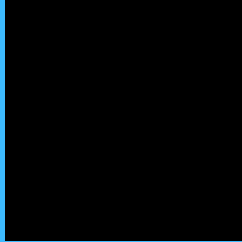
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

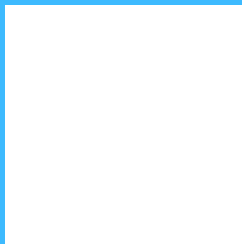
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3728, 43.2657, 100.1473

Background



This preview shows how black text looks on a background with the XYZ color 37.3728, 43.2657, 100.1473.

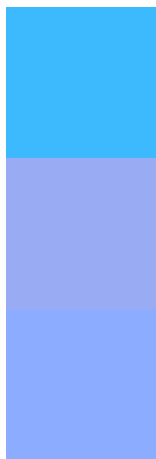


This preview shows how white text looks on a background with the XYZ color 37.3728, 43.2657,

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

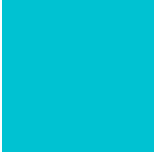
37.3728, 43.2657, 100.1473

Protanopia

44.0671, 42.7484, 90.7227

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

30.9246, 43.2367, 67.6884

Trichromacy



Original Color

37.3728, 43.2657, 100.1473

Protanomaly

40.2564, 42.1528, 94.0102

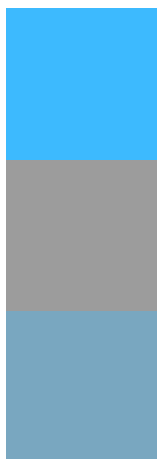
Deuteranomaly

40.5259, 42.4403, 100.6636

Tritanomaly

32.6891, 42.9232, 78.5136

Monochromacy



Original Color

37.3728, 43.2657, 100.1473

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 37.3728, 43.2657, 100.1473 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 186, 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(61, 186, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 186, 254) }
```

Border

The CSS property to change the border of an element to XYZ 37.3728, 43.2657, 100.1473 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, 254) }
```


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

```
.border{ border-color:rgb(61, 186, 254) }
```

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, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 186, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 186, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 186,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3728, 43.2657, 100.1473 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, 254) }
```

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

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

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