

Converting Colors

XYZ(41.1440, 45.9097,
118.5066)

Have a look what the booklet for
XYZ(41.1440, 45.9097, 118.5066)
contains.

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Color

**XYZ(37.7689, 44.3995,
101.1871)**

Conversions

Conversions Part 1

Format	Color
Hex	36BDFF
RGB	54, 189, 255
RGB Percent	21%, 74%, 100%
CMY	0.7882, 0.2588, 0.0000
CMYK	0.79, 0.26, 0.00, 0.00
HSL	200°, 100%, 61%
HSV	200°, 79%, 100%
XYZ	37.7689, 44.3995, 101.1871
YIQ	156.1590, -101.6460, -8.0940

Conversions

Conversions Part 2

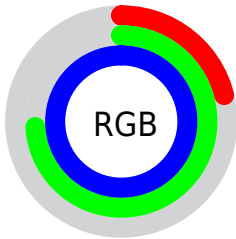
Format	Color
R _{YB}	54, 135, 255
Decimal	3587583
CIE Lab	72.49, -13.85, -42.60
CIE LCh	72, 44.790, 251.990
Yxy	44.3995, 0.2060, 0.2421
Android (android.graphics.Color)	4281777663 (0xFF36BDFF)
YUV	156.1590, 48.7286, -89.5934
Hunter-Lab	66.6329, -15.4303, -43.3932

Details

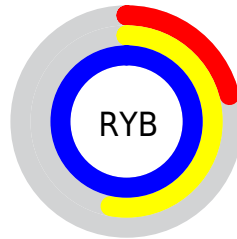
The XYZ color **37.7689, 44.3995, 101.1871** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.6244, 34.9628, 7.6778**, and the grayscale version is **31.4954, 33.1356, 36.0847**.

A 20% lighter version of the original color is **59.9083, 77.2706, 106.3650**, and **18.9972, 21.6855, 56.6105** is the 20% darker color. If you saturate the color by 10%, you get **34.9916, 40.3712, 100.5559**, and if you desaturate by 10%, it is **41.3693, 49.0079, 101.8868**.

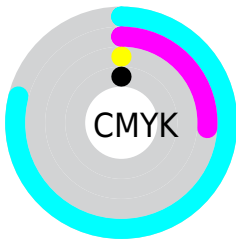
Distribution



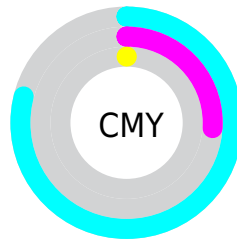
- Red (21%)
- Green (74%)
- Blue (100%)



- Red (21%)
- Yellow (53%)
- Blue (100%)



- Cyan (79%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7689, 44.3995, 101.1871 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 37.7689, 44.3995, 101.1871 by changing the saturation by 10% instead.

■ 37.7689, 44.3995,
101.1871

■ 37.7689, 44.3995,
101.1871

327.9256,
364.3360, 585.2711

■ 25.9798, 30.9847,
76.6699

■ 71.0600, 81.8186,
164.8537

■ 16.9411, 20.5872,
56.4721

■ 93.2926, 106.5916,
204.8401

■ 10.2876, 12.8226,
40.1750

■ 119.7372,
135.9195, 250.8200

■ 5.6538, 7.3065,
27.3602

■ 150.7589,
170.1867, 303.2120

■ 2.6744, 3.6545,
17.6091

186.7233,
209.7776, 362.4346

■ 0.9840, 1.4822,
10.5032

227.9957,

■ 0.0000, 0.2762,

255.0765, 428.9062

5.6239

274.9413,
306.4678, 503.0456

■ 0.0000, 0.0000,
2.5527

■ 0.0000, 0.0000,
0.8679

■ 37.7689, 44.3995,
101.1871

■ 37.7689, 44.3995,
101.1871

■ 34.9916, 40.3712,
100.5559

■ 41.3693, 49.0079,
101.8868

■ 32.8889, 36.8418,
99.9855

■ 45.8887, 54.2463,
102.6597

■ 32.6630, 36.4460,
99.9210

■ 51.4131, 60.1622,
103.5104

■ 58.0168, 66.7962,
104.4429

■ 65.7669, 74.1854,
105.4607

■ 74.7246, 82.3635,
106.5671

■ 84.9464, 91.3619,
107.7652

■ 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.



32.0874, 44.3995, 82.7855



37.7689, 44.3995, 101.1871



45.3645, 44.3995, 103.0927

Triad

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



37.7689, 44.3995, 101.1871



58.4761, 44.3995, 40.0276



33.0160, 44.3995, 23.1016

Complementary

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



37.7689, 44.3995, 101.1871



48.6244, 34.9628, 7.6778

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.



39.1870, 44.3995, 17.5117



37.7689, 44.3995, 101.1871



54.2420, 44.3995, 25.0887

Square

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



37.7689, 44.3995, 101.1871



57.9753, 44.3995, 62.7380



46.9656, 44.3995, 18.1064



29.5829, 44.3995, 36.3386

Rectangle

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



37.7689, 44.3995, 101.1871



50.5759, 44.3995, 94.1895



46.9656, 44.3995, 18.1064



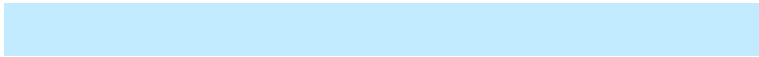
34.8047, 44.3995, 20.4784

Sweetspot

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



37.7703, 44.4009, 101.1873



69.9276, 78.0243, 105.9824



40.5321, 73.6047, 29.1051



14.3028, 16.0888, 22.6016



0.0000, 0.0000, 0.0000



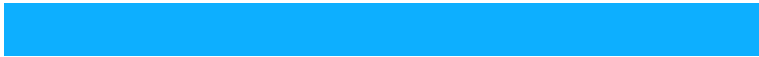
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7703, 44.4009, 101.1873



33.6303, 38.1397, 100.1969



23.3016, 15.4636, 96.3644



18.0227, 19.4171, 23.0479



17.2093, 19.3282, 52.2583



1.7755, 2.0817, 5.1215

Inverse Universe

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



51.7455, 27.5741, 50.7405



49.1630, 24.6544, 42.9579



67.0174, 71.7487, 13.8088



18.5241, 18.1930, 21.3771



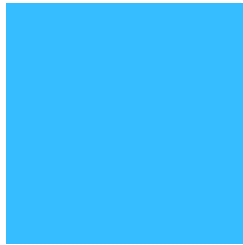
25.4747, 12.6792, 21.6819



2.5308, 1.2547, 2.3767

Previews

White Background



This preview shows how the XYZ color 37.7689, 44.3995, 101.1871 looks on a white background.

Color Contrast Check

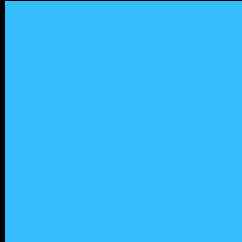
Large Text (above 18pt) WCAG AA × Fail

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 37.7689, 44.3995, 101.1871 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

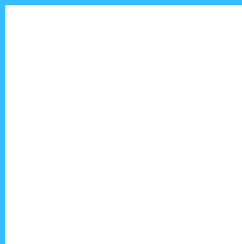
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7689, 44.3995, 101.1871

Background



This preview shows how black text looks on a background with the XYZ color 37.7689, 44.3995, 101.1871.



This preview shows how white text looks on a background with the XYZ color 37.7689, 44.3995,

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

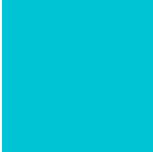
37.7689, 44.3995, 101.1871

Protanopia

45.0240, 43.8111, 90.8774

Deuteranopia

44.8816, 43.8092, 100.6983



Tritanopia

31.6236, 44.2333, 69.1585

Trichromacy



Original Color

37.7689, 44.3995, 101.1871

Protanomaly

40.5163, 42.8775, 94.1364

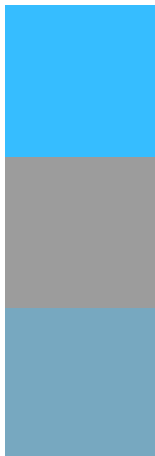
Deuteranomaly

40.9268, 43.2420, 100.7972

Tritanomaly

33.3620, 43.8901, 80.1121

Monochromacy



Original Color

37.7689, 44.3995, 101.1871

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1248, 35.7330, 55.1259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7689, 44.3995, 101.1871 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(54, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 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(54, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.7689, 44.3995, 101.1871 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(54, 189, 255) }
```


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

```
.border{ border-color:rgb(54, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7689, 44.3995, 101.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 189, 255) }
```

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

```
.background{ background-color: rgb(54, 189,  
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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