

Converting Colors

XYZ(38.0406, 44.9250,
101.2742)

Have a look what the booklet for
XYZ(38.0406, 44.9250, 101.2742)
contains.

XYZ(37.9848, 44.8312, 101.2590)	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(37.9848, 44.8312,
101.2590)**

Conversions

Conversions Part 1

Format	Color
Hex	36BEFF
RGB	54, 190, 255
RGB Percent	21%, 75%, 100%
CMY	0.7882, 0.2549, 0.0000
CMYK	0.79, 0.25, 0.00, 0.00
HSL	199°, 100%, 61%
HSV	199°, 79%, 100%
XYZ	37.9848, 44.8312, 101.2590
YIQ	156.7460, -101.9210, -8.6170

Conversions

Conversions Part 2

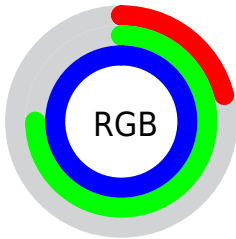
Format	Color
R _{YB}	54, 135, 255
Decimal	3587839
CIE Lab	72.78, -14.38, -42.15
CIE LCh	73, 44.535, 251.160
Yxy	44.8312, 0.2064, 0.2435
Android (android.graphics.Color)	4281777919 (0xFF36BEFF)
YUV	156.7460, 48.4392, -90.1082
Hunter-Lab	66.9561, -15.9085, -42.7961

Details

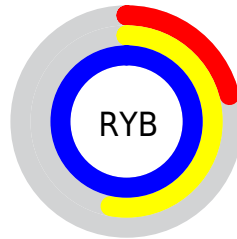
The XYZ color **37.9848, 44.8312, 101.2590** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.5050, 34.7239, 7.6381**, and the grayscale version is **31.7589, 33.4128, 36.3865**.

A 20% lighter version of the original color is **60.2117, 77.8774, 106.4661**, and **19.1387, 21.9685, 56.6577** is the 20% darker color. If you saturate the color by 10%, you get **35.2211, 40.8301, 100.6324**, and if you desaturate by 10%, it is **41.5688, 49.4067, 101.9533**.

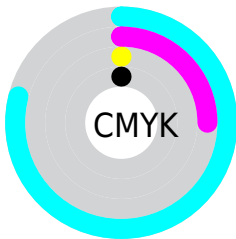
Distribution



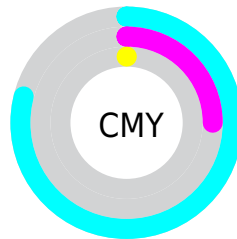
- Red (21%)
- Green (75%)
- Blue (100%)



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



- Cyan (79%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9848, 44.8312, 101.2590 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 37.9848, 44.8312, 101.2590 by changing the saturation by 10% instead.

37.9848, 44.8312,
101.2590

37.9848, 44.8312,
101.2590

328.8367,
366.0895, 585.5028

26.1481, 31.3245,
76.7297

71.3889, 82.4671,
164.9532

17.0677, 20.8461,
56.5208

93.6869, 107.3650,
204.9552

10.3784, 13.0115,
40.2138

120.2028,
136.8288, 250.9517

5.7147, 7.4365,
27.3903

151.3018,
171.2428, 303.3614

2.7114, 3.7365,
17.6315

187.3494,
210.9915, 362.6029

1.0031, 1.5273,
10.5191

228.7108,

0.0000, 0.3078,

256.4593, 429.0945

5.6344

275.7515,
308.0305, 503.2550

■ 0.0000, 0.0000,
2.5589

■ 0.0000, 0.0000,
0.8711

■ 37.9848, 44.8312,
101.2590

■ 37.9848, 44.8312,
101.2590

■ 35.2211, 40.8301,
100.6324

■ 41.5688, 49.4067,
101.9533

■ 33.1291, 37.3221,
100.0655

■ 46.0686, 54.6060,
102.7197

■ 32.9041, 36.9283,
100.0014

■ 51.5705, 60.4767,
103.5629

■ 58.1486, 67.0593,
104.4867

■ 65.8697, 74.3904,
105.4948

■ 74.7951, 82.5039,
106.5905

■ 84.9813, 91.4311,
107.7767

■ 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.



32.3630, 44.8312, 82.5673



37.9848, 44.8312, 101.2590



45.5553, 44.8312, 103.6807

Triad

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



37.9848, 44.8312, 101.2590



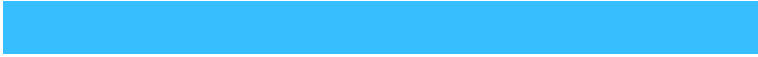
58.9361, 44.8312, 41.0231



33.5503, 44.8312, 23.2497

Complementary

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



37.9848, 44.8312, 101.2590



48.5050, 34.7239, 7.6381

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.



39.7958, 44.8312, 17.8095



37.9848, 44.8312, 101.2590



54.8211, 44.8312, 25.7989

Square

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



37.9848, 44.8312, 101.2590



58.2981, 44.8312, 63.9056



47.5977, 44.8312, 18.5745



30.0249, 44.8312, 36.3069

Rectangle

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



37.9848, 44.8312, 101.2590



50.7811, 44.8312, 95.1032



47.5977, 44.8312, 18.5745



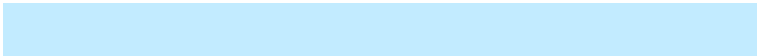
35.3673, 44.8312, 20.6783

Sweetspot

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



37.9862, 44.8327, 101.2592



70.0147, 78.1987, 106.0114



40.5323, 73.6048, 29.1054



14.3239, 16.1310, 22.6086



0.0000, 0.0000, 0.0000



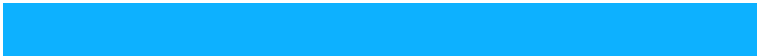
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9862, 44.8327, 101.2592



33.8666, 38.6123, 100.2757



23.3018, 15.4638, 96.3644



18.0306, 19.4328, 23.0505



17.3345, 19.5786, 52.3000



1.7870, 2.1048, 5.1253

Inverse Universe

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



51.8545, 27.6178, 51.3142



49.2823, 24.7021, 43.5860



67.0175, 71.7489, 13.8090



18.5281, 18.1946, 21.3981



25.5379, 12.7044, 22.0146



2.5366, 1.2570, 2.4073

Previews

White Background



This preview shows how the XYZ color 37.9848, 44.8312, 101.2590 looks on a white background.

Color Contrast Check

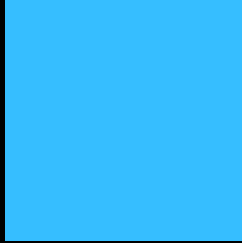
Large Text (above 18pt) WCAG AA × Fail

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 37.9848, 44.8312, 101.2590 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

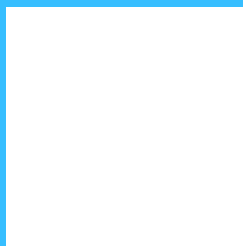
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9848, 44.8312, 101.2590

Background



This preview shows how black text looks on a background with the XYZ color 37.9848, 44.8312, 101.2590.



This preview shows how white text looks on a background with the XYZ color 37.9848, 44.8312,

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

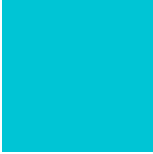
37.9848, 44.8312, 101.2590

Protanopia

45.4123, 44.2991, 90.9511

Deuteranopia

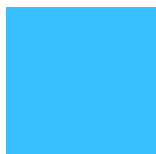
45.4294, 44.3817, 100.7799



Tritanopia

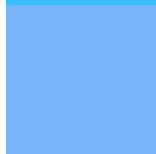
31.9765, 44.7366, 69.9005

Trichromacy



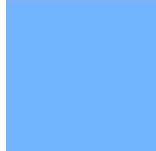
Original Color

37.9848, 44.8312, 101.2590



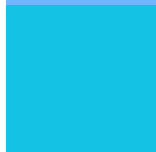
Protanomaly

40.8555, 43.3510, 94.2100



Deuteranomaly

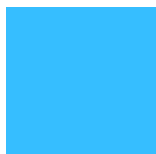
41.3839, 43.7785, 100.8767



Tritanomaly

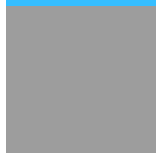
33.5839, 44.3337, 80.1860

Monochromacy



Original Color

37.9848, 44.8312, 101.2590



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

31.5593, 36.2193, 55.7797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9848, 44.8312, 101.2590 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, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 190, 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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9848, 44.8312, 101.2590 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, 190, 255) }
```


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

```
.border{ border-color:rgb(54, 190, 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, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9848, 44.8312, 101.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 190, 255) }
```

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

```
.background{ background-color: rgb(54, 190,  
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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