

Converting Colors

XYZ(37.7131, 42.9624, 76.5304)

Have a look what the booklet for
XYZ(37.7131, 42.9624, 76.5304)
contains.

XYZ(37.8592, 43.1003, 76.8448)	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(37.8592, 43.1003,
76.8448)**

Conversions

Conversions Part 1

Format	Color
Hex	76B7E0
RGB	118, 183, 224
RGB Percent	46%, 72%, 88%
CMY	0.5372, 0.2823, 0.1216
CMYK	0.47, 0.18, 0.00, 0.12
HSL	203°, 63%, 67%
HSV	203°, 47%, 88%
XYZ	37.8592, 43.1003, 76.8448
YIQ	168.2390, -51.9010, -1.0290

Conversions

Conversions Part 2

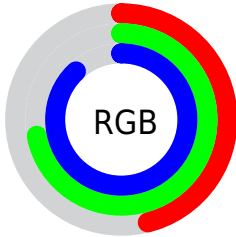
Format	Color
R _Y B	118, 158, 224
Decimal	7780320
CIE Lab	71.62, -9.80, -26.99
CIE LCh	72, 28.716, 250.049
Yxy	43.1003, 0.2399, 0.2731
Android (android.graphics.Color)	4285970400 (0xFF76B7E0)
YUV	168.2390, 27.4902, -44.0596
Hunter-Lab	65.6508, -11.9524, -23.4438

Details

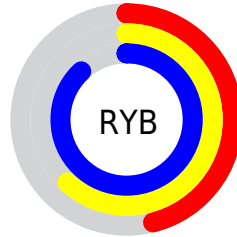
The XYZ color **37.8592, 43.1003, 76.8448** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.4097, 41.9528, 22.7926**, and the grayscale version is **37.2254, 39.1641, 42.6497**.

A 20% lighter version of the original color is **66.5957, 78.0670, 106.1662**, and **17.0075, 19.7905, 40.4597** is the 20% darker color. If you saturate the color by 10%, you get **33.4386, 38.2505, 76.1425**, and if you desaturate by 10%, it is **43.1148, 48.5457, 77.6197**.

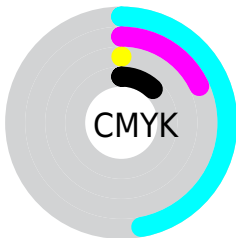
Distribution



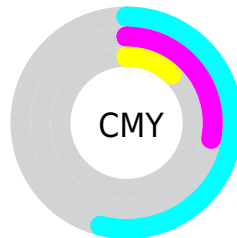
- Red (46%)
- Green (72%)
- Blue (88%)



- Red (46%)
- Yellow (62%)
- Blue (88%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (54%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8592, 43.1003, 76.8448 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 37.8592, 43.1003, 76.8448 by changing the saturation by 10% instead.

■ 37.8592, 43.1003,
76.8448

■ 37.8592, 43.1003,
76.8448

328.3069,
359.0241, 503.6583

■ 26.0501, 29.9638,
56.6147

■ 71.1976, 79.8622,
130.6914

■ 16.9940, 19.8111,
40.2887

■ 93.4576, 104.2564,
165.1450

■ 10.3255, 12.2578,
27.4482

■ 119.9320,
133.1720, 205.1768

■ 5.6792, 6.9195,
17.6747

150.9861,
166.9933, 251.2054

■ 2.6898, 3.4118,
10.5497

186.9853,
206.1048, 303.6493

■ 0.9919, 1.3503,
5.6546

228.2949,

■ 0.0000, 0.1797,

250.8908, 362.9270

2.5708

275.2803,
301.7358, 429.4572

■ 0.0000, 0.0000,
0.8773

■ 0.0000, 0.0000,
0.0000

■ 37.8592, 43.1003,
76.8448

■ 37.8592, 43.1003,
76.8448

■ 33.4386, 38.2505,
76.1425

■ 43.1148, 48.5457,
77.6197

■ 29.7950, 33.9607,
75.5065

■ 49.2501, 54.6099,
78.4668

■ 26.8689, 30.1981,
74.9345

■ 56.3110, 61.3202,
79.3899

■ 24.5891, 26.9232,
74.4225

■ 64.3393, 68.7009,
80.3913

■ 22.8616, 24.0841,
73.9656

■ 73.3738, 76.7745,
81.4735

■ 22.4516, 23.3758,
73.8504

■ 83.4512, 85.5626,
82.6387

■ 86.9406, 91.1338,
83.5301

■ 89.6043, 96.4611,
84.4180

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



34.2210, 43.1003, 66.3390



37.8592, 43.1003, 76.8448



42.6176, 43.1003, 78.5178

Triad

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



37.8592, 43.1003, 76.8448



50.8720, 43.1003, 42.4129



35.2427, 43.1003, 29.2801

Complementary

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



37.8592, 43.1003, 76.8448



46.4097, 41.9528, 22.7926

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.



39.3567, 43.1003, 25.2032



37.8592, 43.1003, 76.8448



48.5426, 43.1003, 31.7305

Square

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



37.8592, 43.1003, 76.8448



50.3913, 43.1003, 56.6651



44.2373, 43.1003, 26.0014



32.7952, 43.1003, 38.3772

Rectangle

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



37.8592, 43.1003, 76.8448



45.8247, 43.1003, 74.1126



44.2373, 43.1003, 26.0014



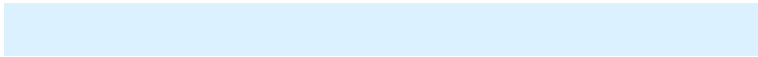
36.4626, 43.1003, 27.3674

Sweetspot

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



37.8606, 43.1019, 76.8458



78.8658, 85.3508, 106.9254



40.3543, 59.6544, 42.0233



16.3972, 17.8202, 22.8254



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.



37.8606, 43.1019, 76.8458



44.8099, 51.2584, 102.1399



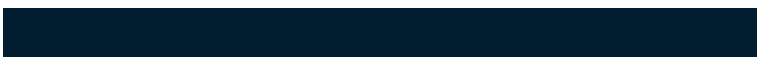
28.9586, 25.2978, 73.8785



13.6482, 14.6355, 17.4933



13.1830, 13.8355, 43.0241



0.9998, 1.1311, 3.0109

Inverse Universe

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



45.7673, 32.2244, 48.6091



57.0616, 36.4498, 57.9273



57.4634, 64.0602, 26.4772



14.0586, 13.8411, 16.0790



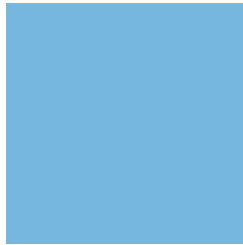
20.5944, 10.3047, 15.0615



1.4709, 0.7316, 1.2727

Previews

White Background



This preview shows how the XYZ color 37.8592, 43.1003, 76.8448 looks on a white background.

Color Contrast Check

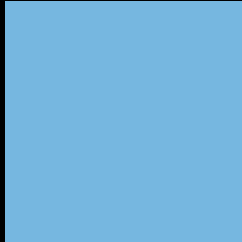
Large Text (above 18pt) WCAG AA × Fail

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 37.8592, 43.1003, 76.8448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

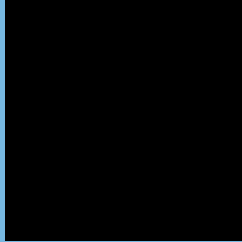
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8592, 43.1003, 76.8448

Background



This preview shows how black text looks on a background with the XYZ color 37.8592, 43.1003, 76.8448.



This preview shows how white text looks on a background with the XYZ color 37.8592, 43.1003,

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

37.8592, 43.1003, 76.8448

Protanopia

42.7778, 42.7894, 71.6502

Deuteranopia

43.7898, 42.8885, 77.9219



Tritanopia

34.9865, 43.1844, 62.3686

Trichromacy



Original Color

37.8592, 43.1003, 76.8448

Protanomaly

40.6730, 42.8146, 73.8305

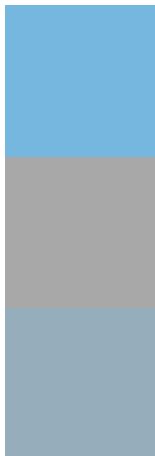
Deuteranomaly

41.1486, 42.6900, 77.3054

Tritanomaly

36.1312, 43.3484, 67.4355

Monochromacy



Original Color

37.8592, 43.1003, 76.8448

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.5983, 40.0020, 53.3692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8592, 43.1003, 76.8448 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(118, 183, 224)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 224)  
}
```

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(118, 183, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 224) }
```

Border

The CSS property to change the border of an element to XYZ 37.8592, 43.1003, 76.8448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

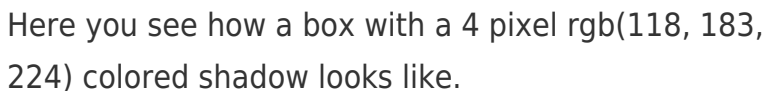
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 183, 224) }
```


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

```
.border{ border-color:rgb(118, 183, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 183, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 183, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 183, 224); box-shadow:4px 4px 4px 4px rgb(118, 183, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8592, 43.1003, 76.8448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 224) }
```

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

```
.background{ background-color: rgb(118,  
183, 224) }
```

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