

Converting Colors

XYZ(38.4462, 43.6389, 77.4641)

Have a look what the booklet for
XYZ(38.4462, 43.6389, 77.4641)
contains.

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Color

**XYZ(38.4768, 43.7103,
77.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	78B8E1
RGB	120, 184, 225
RGB Percent	47%, 72%, 88%
CMY	0.5294, 0.2784, 0.1176
CMYK	0.47, 0.18, 0.00, 0.12
HSL	203°, 64%, 68%
HSV	203°, 47%, 88%
XYZ	38.4768, 43.7103, 77.6431
YIQ	169.5380, -51.3050, -0.8170

Conversions

Conversions Part 2

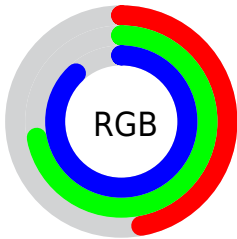
Format	Color
R _Y B	120, 160, 225
Decimal	7911649
CIE Lab	72.03, -9.58, -26.90
CIE LCh	72, 28.553, 250.391
Yxy	43.7103, 0.2407, 0.2735
Android (android.graphics.Color)	4286101729 (0xFF78B8E1)
YUV	169.5380, 27.3428, -43.4448
Hunter-Lab	66.1138, -11.8159, -23.3497

Details

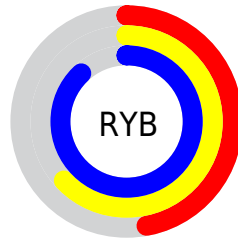
The XYZ color **38.4768, 43.7103, 77.6431** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.1874, 42.8545, 23.5554**, and the grayscale version is **37.8667, 39.8387, 43.3843**.

A 20% lighter version of the original color is **67.3416, 78.8873, 106.2852**, and **17.3586, 20.1590, 41.0064** is the 20% darker color. If you saturate the color by 10%, you get **33.9468, 38.7501, 76.9253**, and if you desaturate by 10%, it is **43.8561, 49.2784, 78.4351**.

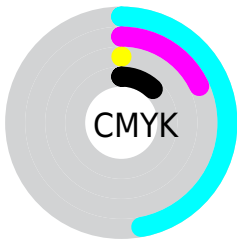
Distribution



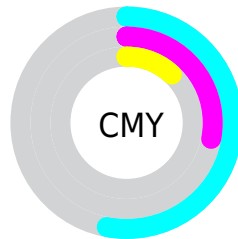
- Red (47%)
- Green (72%)
- Blue (88%)



- Red (47%)
- Yellow (63%)
- Blue (88%)



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



- Cyan (53%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4768, 43.7103, 77.6431 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 38.4768, 43.7103, 77.6431 by changing the saturation by 10% instead.

■ 38.4768, 43.7103,
77.6431

■ 38.4768, 43.7103,
77.6431

330.9065,
361.5248, 506.4497

■ 26.5318, 30.4428,
57.2661

■ 72.1376, 80.7816,
131.8282

■ 17.3567, 20.1749,
40.8082

■ 94.5841, 105.3543,
166.4734

■ 10.5860, 12.5223,
27.8506

■ 121.2618,
134.4641, 206.7117

■ 5.8544, 7.1004,
17.9750

152.5362,
168.4955, 252.9617

■ 2.7966, 3.5250,
10.7628

188.7725,
207.8329, 305.6420

■ 1.0471, 1.4116,
5.7954

230.3360,

■ 0.0000, 0.2252,

252.8606, 365.1711

2.6543

277.5923,
303.9631, 431.9674

■ 0.0000, 0.0000,
0.9203

■ 0.0000, 0.0000,
0.0000

■ 38.4768, 43.7103,
77.6431

■ 38.4768, 43.7103,
77.6431

■ 33.9468, 38.7501,
76.9253

■ 43.8561, 49.2784,
78.4351

■ 30.2076, 34.3620,
76.2753

■ 50.1296, 55.4777,
79.3011

■ 27.1996, 30.5130,
75.6909

■ 57.3436, 62.3360,
80.2446

■ 24.8517, 27.1632,
75.1681

■ 65.5400, 69.8777,
81.2683

■ 23.0737, 24.2628,
74.7020

■ 74.7581, 78.1257,
82.3745

■ 22.5570, 23.3689,
74.5567

■ 85.0330, 87.1008,
83.5653

■ 87.6353, 92.3055,
84.4328

■ 90.3640, 97.7628,
85.3423

■ 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



34.8039, 43.7103, 67.2059



38.4768, 43.7103, 77.6431



43.2600, 43.7103, 79.2015

Triad

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



38.4768, 43.7103, 77.6431



51.4695, 43.7103, 42.9110



35.7595, 43.7103, 29.9272

Complementary

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



38.4768, 43.7103, 77.6431



47.1874, 42.8545, 23.5554

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.



39.8766, 43.7103, 25.7612



38.4768, 43.7103, 77.6431



49.1055, 43.7103, 32.2236

Square

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



38.4768, 43.7103, 77.6431



51.0209, 43.7103, 57.1878



44.7728, 43.7103, 26.5103



33.3222, 43.7103, 39.1364

Rectangle

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



38.4768, 43.7103, 77.6431



46.4728, 43.7103, 74.7244



44.7728, 43.7103, 26.5103



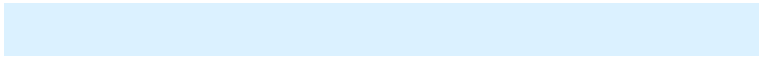
36.9790, 43.7103, 27.9808

Sweetspot

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



38.4782, 43.7119, 77.6441



78.8269, 85.2729, 106.9124



41.0392, 60.3913, 42.8677



16.3877, 17.8012, 22.8222



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.



38.4782, 43.7119, 77.6441



45.2365, 51.6357, 102.1902



29.6229, 26.0012, 74.6924



13.6439, 14.6268, 17.4918



13.1150, 13.6995, 43.0014



0.9953, 1.1222, 3.0094

Inverse Universe

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



46.4207, 32.9026, 49.2533



57.3931, 37.0272, 58.3016



58.1739, 64.8275, 27.2176



14.0565, 13.8402, 16.0675



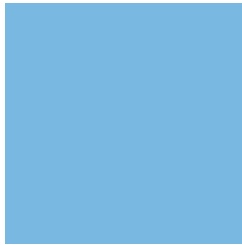
20.5600, 10.2910, 14.8808



1.4687, 0.7307, 1.2608

Previews

White Background



This preview shows how the XYZ color 38.4768, 43.7103, 77.6431 looks on a white background.

Color Contrast Check

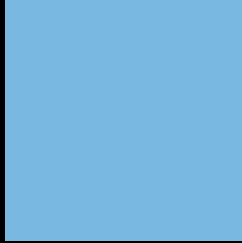
Large Text (above 18pt) WCAG AA × Fail

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 38.4768, 43.7103, 77.6431 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 38.4768, 43.7103, 77.6431

Background



This preview shows how black text looks on a background with the XYZ color 38.4768, 43.7103, 77.6431.

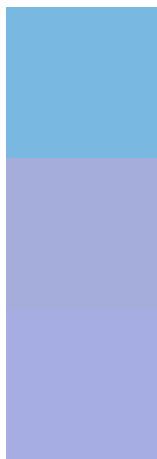


This preview shows how white text looks on a background with the XYZ color 38.4768, 43.7103,

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

38.4768, 43.7103, 77.6431

Protanopia

43.3080, 43.3334, 72.4113

Deuteranopia

44.3257, 43.4325, 78.7201



Tritanopia

35.5728, 43.7889, 63.0771

Trichromacy



Original Color

38.4768, 43.7103, 77.6431

Protanomaly

41.3660, 43.4508, 74.6132

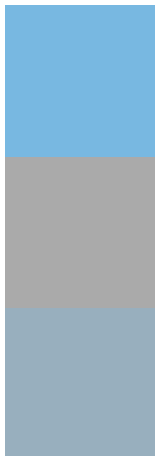
Deuteranomaly

41.8440, 43.3248, 78.1086

Tritanomaly

36.7307, 43.9568, 68.1766

Monochromacy



Original Color

38.4768, 43.7103, 77.6431

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5731, 41.0530, 54.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4768, 43.7103, 77.6431 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(120, 184, 225)` looks like.

```
.text, #text, p{  
    color:rgb(120, 184, 225)  
}
```

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(120, 184, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 184, 225) }
```

Border

The CSS property to change the border of an element to XYZ 38.4768, 43.7103, 77.6431 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(120, 184, 225) }
```


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

```
.border{ border-color:rgb(120, 184, 225) }
```

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

Here you see how a box with a 4 pixel rgb(120, 184, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 184, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 184, 225);  
box-shadow:4px 4px 4px 4px rgb(120, 184,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4768, 43.7103, 77.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 184, 225) }
```

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

```
.background{ background-color: rgb(120,  
184, 225) }
```

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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