

Converting Colors

XYZ(38.7311, 40.7494, 77.5413)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 77.5413)
contains.

XYZ(38.8552, 40.9140, 77.8008)	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(38.8552, 40.9140,
77.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	87AEE2
RGB	135, 174, 226
RGB Percent	53%, 68%, 89%
CMY	0.4706, 0.3176, 0.1137
CMYK	0.40, 0.23, 0.00, 0.11
HSL	214°, 61%, 71%
HSV	214°, 40%, 89%
XYZ	38.8552, 40.9140, 77.8008
YIQ	168.2670, -39.9360, 7.9040

Conversions

Conversions Part 2

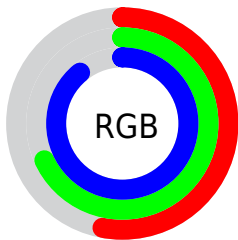
Format	Color
R_{YB}	135, 162, 226
Decimal	8892130
CIE _{Lab}	70.12, -0.10, -30.33
CIE _{LCh}	70, 30.327, 269.806
Yxy	40.9140, 0.2466, 0.2597
Android (android.graphics.Color)	4287082210 (0xFF87AEE2)
YUV	168.2670, 28.4624, -29.1752
Hunter-Lab	63.9641, -3.5066, -27.3408

Details

The XYZ color **38.8552, 40.9140, 77.8008** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.5086, 53.4598, 30.4217**, and the grayscale version is **37.2303, 39.1692, 42.6552**.

A 20% lighter version of the original color is **67.5552, 74.3350, 105.3953**, and **17.5235, 18.5268, 40.6827** is the 20% darker color. If you saturate the color by 10%, you get **33.2216, 34.4831, 76.8572**, and if you desaturate by 10%, it is **45.5032, 48.2256, 78.8624**.

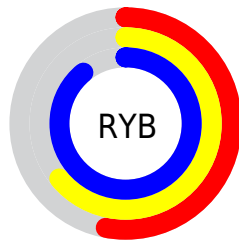
Distribution



Red (53%)

Green (68%)

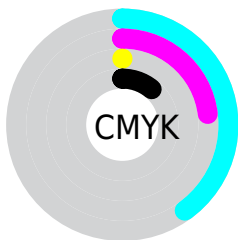
Blue (89%)



Red (53%)

Yellow (64%)

Blue (89%)

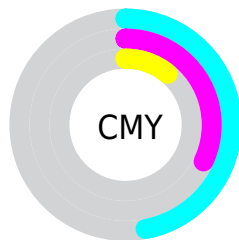


Cyan (40%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (32%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8552, 40.9140, 77.8008 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 38.8552, 40.9140, 77.8008 by changing the saturation by 10% instead.

■ 38.8552, 40.9140,
77.8008

■ 38.8552, 40.9140,
77.8008

332.4922,
349.9611, 507.0000

■ 26.8273, 28.2519,
57.3949

■ 72.7125, 76.5533,
132.0526

■ 17.5795, 18.5156,
40.9109

■ 95.2727, 100.2993,
166.7355

■ 10.7464, 11.3208,
27.9303

■ 122.0744,
128.5088, 207.0146

■ 5.9626, 6.2830,
18.0345

153.4829,
161.5660, 253.3082

■ 2.8628, 3.0179,
10.8051

189.8635,
199.8555, 306.0351

■ 1.0816, 1.1411,
5.8234

231.5818,

■ 0.0097, 0.0128,

243.7615, 365.6136

2.6709

279.0029,
293.6686, 432.4624

■ 0.0000, 0.0000,
0.9288

■ 0.0000, 0.0000,
0.0000

■ 38.8552, 40.9140,
77.8008

■ 38.8552, 40.9140,
77.8008

■ 33.2216, 34.4831,
76.8572

■ 45.5032, 48.2256,
78.8624

■ 28.5423, 28.8895,
76.0241

■ 53.2129, 56.4495,
80.0435

■ 24.7567, 24.0922,
75.2977

■ 62.0333, 65.6208,
81.3488

■ 21.7945, 20.0442,
74.6725

■ 72.0092, 75.7717,
82.7823

■ 19.5734, 16.6913,
74.1423

■ 83.1826, 86.9324,
84.3477

■ 17.9892, 14.0143,
73.7091

■ 89.6176, 96.0511,
85.7686

■ 90.7276, 98.2710,
86.1386

Harmonies

Analogous

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



34.2881, 40.9140, 72.5526



38.8552, 40.9140, 77.8008



43.8202, 40.9140, 72.6809

Triad

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



38.8552, 40.9140, 77.8008



47.7583, 40.9140, 32.3109



31.2173, 40.9140, 32.1816

Complementary

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



38.8552, 40.9140, 77.8008



53.5086, 53.4598, 30.4217

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.



34.3396, 40.9140, 24.8120



38.8552, 40.9140, 77.8008



43.8809, 40.9140, 24.8747

Square

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



38.8552, 40.9140, 77.8008



49.2189, 40.9140, 44.6411



38.9199, 40.9140, 22.4470



30.1136, 40.9140, 44.4558

Rectangle

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



38.8552, 40.9140, 77.8008



46.6321, 40.9140, 64.5901



38.9199, 40.9140, 22.4470



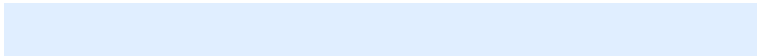
32.0517, 40.9140, 29.1514

Sweetspot

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



38.8566, 40.9156, 77.8018



79.3479, 83.9980, 106.6389



46.1125, 63.1139, 56.5240



16.6467, 17.6306, 22.7756



0.0000, 0.0000, 0.0000



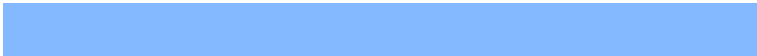
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8566, 40.9156, 77.8018



45.0208, 46.8961, 101.2867



33.3886, 28.4890, 75.6914



13.4326, 14.2044, 17.4214



10.3753, 8.2203, 42.0882



0.8067, 0.7448, 2.9465

Inverse Universe

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



47.6692, 36.5541, 44.5892



58.3359, 41.4309, 50.8531



61.0655, 71.3481, 33.4762



13.9498, 13.7976, 15.5061



19.1772, 9.7379, 7.5989



1.3734, 0.6926, 0.7594

Previews

White Background



This preview shows how the XYZ color 38.8552, 40.9140, 77.8008 looks on a white background.

Color Contrast Check

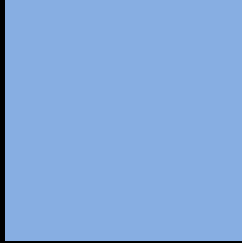
Large Text (above 18pt) WCAG AA × Fail

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 38.8552, 40.9140, 77.8008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

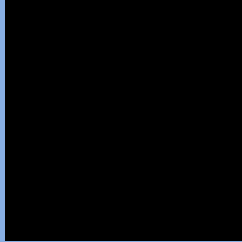
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

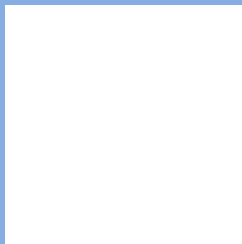
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8552, 40.9140, 77.8008

Background



This preview shows how black text looks on a background with the XYZ color 38.8552, 40.9140, 77.8008.



This preview shows how white text looks on a background with the XYZ color 38.8552, 40.9140,

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

38.8552, 40.9140, 77.8008

Protanopia

41.2774, 40.8180, 74.8103

Deuteranopia

41.5781, 40.6192, 78.3219



Tritanopia

34.8113, 41.0496, 57.1276

Trichromacy



Original Color

38.8552, 40.9140, 77.8008

Protanomaly

40.2766, 40.8431, 75.5727

Deuteranomaly

40.4526, 40.5914, 78.3759

Tritanomaly

36.2669, 41.0428, 64.4031

Monochromacy



Original Color

38.8552, 40.9140, 77.8008

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2703, 39.4915, 53.8024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8552, 40.9140, 77.8008 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(135, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 226)  
}
```

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(135, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.8552, 40.9140, 77.8008 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(135, 174, 226) }
```


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

```
.border{ border-color:rgb(135, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8552, 40.9140, 77.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 226) }
```

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

```
.background{ background-color: rgb(135,  
174, 226) }
```

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