

Converting Colors

XYZ(38.7311, 40.7494, 77.9563)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 77.9563)
contains.

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Color

**XYZ(38.6950, 40.8314,
77.7933)**

Conversions

Conversions Part 1

Format	Color
Hex	86AEE2
RGB	134, 174, 226
RGB Percent	53%, 68%, 89%
CMY	0.4745, 0.3176, 0.1137
CMYK	0.41, 0.23, 0.00, 0.11
HSL	214°, 61%, 71%
HSV	214°, 41%, 89%
XYZ	38.6950, 40.8314, 77.7933
YIQ	167.9680, -40.5320, 7.6920

Conversions

Conversions Part 2

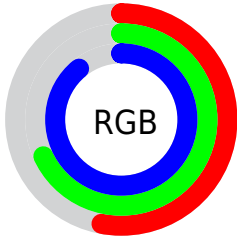
Format	Color
RYB	134, 162, 226
Decimal	8826594
CIELab	70.06, -0.36, -30.42
CIELCh	70, 30.423, 269.315
Yxy	40.8314, 0.2460, 0.2595
Android (android.graphics.Color)	4287016674 (0xFF86AEE2)
YUV	167.9680, 28.6098, -29.7899
Hunter-Lab	63.8995, -3.7314, -27.4520

Details

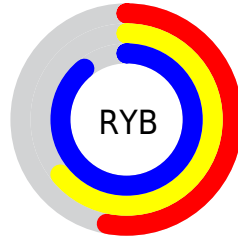
The XYZ color **38.6950, 40.8314, 77.7933** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.2270, 53.0089, 29.9820**, and the grayscale version is **37.0832, 39.0144, 42.4867**.

A 20% lighter version of the original color is **67.3045, 74.2058, 105.3836**, and **17.4397, 18.4836, 40.6787** is the 20% darker color. If you saturate the color by 10%, you get **33.1190, 34.4667, 76.8594**, and if you desaturate by 10%, it is **45.2781, 48.0654, 78.8434**.

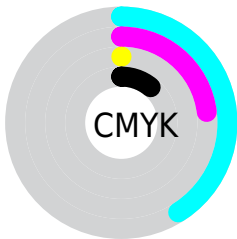
Distribution



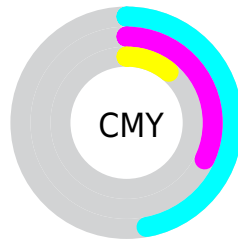
- Red (53%)
- Green (68%)
- Blue (89%)



- Red (53%)
- Yellow (64%)
- Blue (89%)



- Cyan (41%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6950, 40.8314, 77.7933 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 38.6950, 40.8314, 77.7933 by changing the saturation by 10% instead.

■ 38.6950, 40.8314,
77.7933

■ 38.6950, 40.8314,
77.7933

331.8216,
349.6155, 506.9739

■ 26.7022, 28.1874,
57.3888

■ 72.4692, 76.4279,
132.0419

■ 17.4851, 18.4669,
40.9060

■ 94.9813, 100.1491,
166.7231

■ 10.6784, 11.2857,
27.9265

■ 121.7306,
128.3316, 207.0002

■ 5.9167, 6.2594,
18.0317

153.0823,
161.3596, 253.2918

■ 2.8347, 3.0034,
10.8031

189.4020,
199.6176, 306.0164

■ 1.0670, 1.1335,
5.8221

231.0548,

■ 0.0000, 0.0064,

243.4900, 365.5926

2.6702

278.4062,
293.3611, 432.4389

■ 0.0000, 0.0000,
0.9283

■ 0.0000, 0.0000,
0.0000

■ 38.6950, 40.8314,
77.7933

■ 38.6950, 40.8314,
77.7933

■ 33.1190, 34.4667,
76.8594

■ 45.2781, 48.0654,
78.8434

■ 28.4901, 28.9281,
76.0343

■ 52.9156, 56.1998,
80.0109

■ 24.7475, 24.1751,
75.3142

■ 61.6565, 65.2697,
81.3009

■ 21.8208, 20.1607,
74.6936

■ 71.5454, 75.3067,
82.7170

■ 19.6273, 16.8312,
74.1665

■ 82.6243, 86.3408,
84.2629

■ 18.1199, 14.2756,
73.7527

■ 89.3544, 95.5246,
85.6809

■ 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.



34.1372, 40.8314, 72.3674



38.6950, 40.8314, 77.7933



43.6745, 40.8314, 72.8207

Triad

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



38.6950, 40.8314, 77.7933



47.7447, 40.8314, 32.3681



31.1627, 40.8314, 31.9121

Complementary

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



38.6950, 40.8314, 77.7933



53.2270, 53.0089, 29.9820

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.



34.3190, 40.8314, 24.6224



38.6950, 40.8314, 77.7933



43.8887, 40.8314, 24.8435

Square

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



38.6950, 40.8314, 77.7933



49.1616, 40.8314, 44.7861



38.9233, 40.8314, 22.3365



30.0225, 40.8314, 44.1324

Rectangle

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



38.6950, 40.8314, 77.7933



46.5097, 40.8314, 64.7751



38.9233, 40.8314, 22.3365



32.0091, 40.8314, 28.9076

Sweetspot

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



38.6964, 40.8329, 77.7943



79.4032, 84.1084, 106.6573



45.7438, 62.9479, 55.4183



16.6597, 17.6565, 22.7799



0.0000, 0.0000, 0.0000



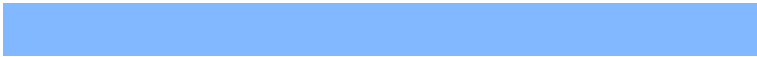
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6964, 40.8329, 77.7943



44.4824, 46.4074, 101.2208



32.8346, 27.9972, 75.6257



13.4398, 14.2187, 17.4238



10.4506, 8.3708, 42.1133



0.8122, 0.7559, 2.9483

Inverse Universe

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



47.5303, 36.2763, 44.5428



57.9206, 40.7151, 50.3607



61.4411, 71.5498, 33.1279



13.9535, 13.7990, 15.5251



19.2152, 9.7531, 7.7989



1.3762, 0.6938, 0.7740

Previews

White Background



This preview shows how the XYZ color 38.6950, 40.8314, 77.7933 looks on a white background.

Color Contrast Check

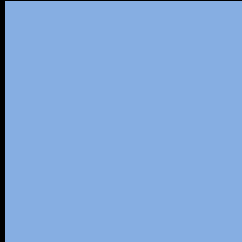
Large Text (above 18pt) WCAG AA × Fail

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 38.6950, 40.8314, 77.7933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

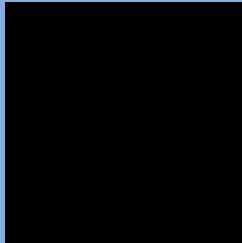
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

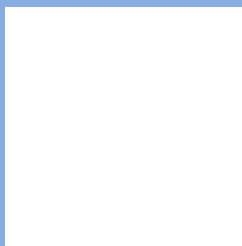
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6950, 40.8314, 77.7933

Background



This preview shows how black text looks on a background with the XYZ color 38.6950, 40.8314, 77.7933.



This preview shows how white text looks on a background with the XYZ color 38.6950, 40.8314,

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

38.6950, 40.8314, 77.7933

Protanopia

41.2774, 40.8180, 74.8103

Deuteranopia

41.5781, 40.6192, 78.3219



Tritanopia

34.6630, 40.9732, 57.1206

Trichromacy



Original Color

38.6950, 40.8314, 77.7933

Protanomaly

40.2766, 40.8431, 75.5727

Deuteranomaly

40.4526, 40.5914, 78.3759

Tritanomaly

36.1142, 40.9641, 64.3960

Monochromacy



Original Color

38.6950, 40.8314, 77.7933

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 38.6950, 40.8314, 77.7933 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(134, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.6950, 40.8314, 77.7933 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(134, 174, 226) }
```


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

```
.border{ border-color:rgb(134, 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(134, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(134, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6950, 40.8314, 77.7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 174, 226) }
```

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

```
.background{ background-color: rgb(134,  
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](#).

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