

Converting Colors

XYZ(40.2127, 38.1124, 77.3257)

Have a look what the booklet for
XYZ(40.2127, 38.1124, 77.3257)
contains.

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Color

**XYZ(40.1826, 38.0486,
77.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA1E2
RGB	156, 161, 226
RGB Percent	61%, 63%, 89%
CMY	0.3882, 0.3686, 0.1137
CMYK	0.31, 0.29, 0.00, 0.11
HSL	236°, 55%, 75%
HSV	236°, 31%, 89%
XYZ	40.1826, 38.0486, 77.1778
YIQ	166.9150, -23.8450, 19.1550

Conversions

Conversions Part 2

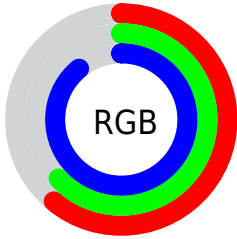
Format	Color
RYB	156, 161, 226
Decimal	10265058
CIELab	68.06, 12.95, -33.40
CIElCh	68, 35.822, 291.196
Yxy	38.0486, 0.2586, 0.2448
Android (android.graphics.Color)	4288455138 (0xFF9CA1E2)
YUV	166.9150, 29.1289, -9.5725
Hunter-Lab	61.6835, 8.3343, -31.0045

Details

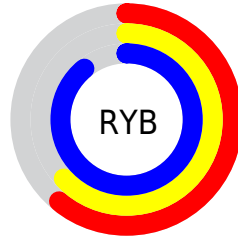
The XYZ color **40.1826, 38.0486, 77.1778** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.2220, 70.2827, 41.6876**, and the grayscale version is **36.5613, 38.4653, 41.8887**.

A 20% lighter version of the original color is **69.7572, 70.3288, 104.5060**, and **18.4251, 16.9377, 40.3284** is the 20% darker color. If you saturate the color by 10%, you get **32.8448, 29.2717, 75.8711**, and if you desaturate by 10%, it is **48.9521, 48.4788, 78.7295**.

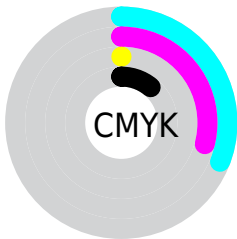
Distribution



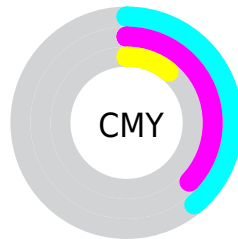
- Red (61%)
- Green (63%)
- Blue (89%)



- Red (61%)
- Yellow (63%)
- Blue (89%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)



- Cyan (39%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1826, 38.0486, 77.1778 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 40.1826, 38.0486, 77.1778 by changing the saturation by 10% instead.

■ 40.1826, 38.0486,
77.1778

■ 40.1826, 38.0486,
77.1778

338.0138,
337.8284, 504.8238

■ 27.8658, 26.0204,
56.8864

■ 74.7241, 72.1826,
131.1657

■ 18.3645, 16.8389,
40.5053

■ 97.6794, 95.0572,
165.6993

■ 11.3132, 10.1197,
27.6159

124.9117,
122.3161, 205.8174

■ 6.3468, 5.4784,
17.7998

156.7862,
154.3437, 251.9385

■ 3.0997, 2.5306,
10.6384

193.6683,
191.5243, 304.4811

■ 1.2067, 0.8919,
5.7132

235.9234,

■ 0.1117, 0.0000,

234.2424, 363.8639

2.6055

283.9168,
282.8823, 430.5052

■ 0.0000, 0.0000,
0.8953

■ 0.0000, 0.0000,
0.0000

■ 40.1826, 38.0486,
77.1778

■ 40.1826, 38.0486,
77.1778

■ 32.8448, 29.2717,
75.8711

■ 48.9521, 48.4788,
78.7295

■ 26.8589, 22.0589,
74.7944

■ 59.2196, 60.6366,
80.5350

■ 22.1433, 16.3196,
73.9351

■ 71.0521, 74.5969,
82.6060

■ 18.6058, 11.9517,
73.2785

■ 84.5114, 90.4291,
84.9525

■ 16.1417, 8.8402,
72.8078

■ 90.7276, 98.2710,
86.1386

■ 14.6280, 6.8513,
72.5037

■ 13.9150, 5.8659,
72.3510

Harmonies

Analogous

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



34.5470, 38.0486, 79.8055



40.1826, 38.0486, 77.1778



45.1838, 38.0486, 63.8152

Triad

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



40.1826, 38.0486, 77.1778



43.3110, 38.0486, 21.8038



26.5659, 38.0486, 36.9022

Complementary

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



40.1826, 38.0486, 77.1778



63.2220, 70.2827, 41.6876

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.



28.4325, 38.0486, 25.0054



40.1826, 38.0486, 77.1778



37.8308, 38.0486, 17.8820

Square

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



40.1826, 38.0486, 77.1778



47.1151, 38.0486, 31.2844



32.4228, 38.0486, 18.8802



27.0567, 38.0486, 53.5577

Rectangle

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



40.1826, 38.0486, 77.1778



47.2981, 38.0486, 52.1404



32.4228, 38.0486, 18.8802



26.9307, 38.0486, 32.2943

Sweetspot

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



40.1839, 38.0501, 77.1787



80.6794, 83.0531, 106.3863



53.8480, 66.6377, 77.8510



16.8060, 17.2302, 22.6899



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.



40.1839, 38.0501, 77.1787



46.5677, 42.5411, 100.3646



45.6649, 39.6043, 77.1898



13.0303, 13.3997, 17.2873



7.9700, 3.4095, 41.2864



0.5804, 0.2923, 2.8711

Inverse Universe

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



49.6866, 42.5202, 39.3081



60.9349, 49.4320, 43.0780



56.1804, 68.6417, 41.7420



13.7468, 13.7163, 14.4366



17.9631, 9.2522, 1.2054



1.2592, 0.6470, 0.1579

Previews

White Background



This preview shows how the XYZ color 40.1826, 38.0486, 77.1778 looks on a white background.

Color Contrast Check

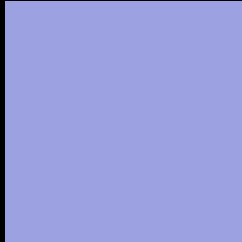
Large Text (above 18pt) WCAG AA × Fail

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 40.1826, 38.0486, 77.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

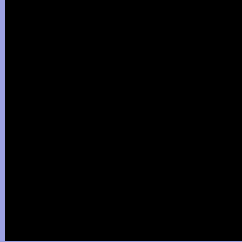
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1826, 38.0486, 77.1778

Background



This preview shows how black text looks on a background with the XYZ color 40.1826, 38.0486, 77.1778.



This preview shows how white text looks on a background with the XYZ color 40.1826, 38.0486,

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

40.1826, 38.0486, 77.1778

Protanopia

39.1334, 37.9989, 78.6708

Deuteranopia

38.9005, 37.9265, 76.5044



Tritanopia

34.7678, 37.9979, 50.3016

Trichromacy



Original Color

40.1826, 38.0486, 77.1778

Protanomaly

39.3631, 37.8707, 77.9082

Deuteranomaly

39.2734, 37.8562, 76.4712

Tritanomaly

36.5227, 37.8800, 59.4194

Monochromacy



Original Color

40.1826, 38.0486, 77.1778

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6365, 38.3276, 52.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1826, 38.0486, 77.1778 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(156, 161, 226)` looks like.

```
.text, #text, p{  
    color:rgb(156, 161, 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(156, 161, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 161, 226) }
```

Border

The CSS property to change the border of an element to XYZ 40.1826, 38.0486, 77.1778 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(156, 161, 226) }
```


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

```
.border{ border-color:rgb(156, 161, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 161, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 161, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 161, 226);  
box-shadow:4px 4px 4px 4px rgb(156, 161,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1826, 38.0486, 77.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 161, 226) }
```

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

```
.background{ background-color: rgb(156,  
161, 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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