

Converting Colors

XYZ(41.6611, 38.0927, 77.1093)

Have a look what the booklet for
XYZ(41.6611, 38.0927, 77.1093)
contains.

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Color

**XYZ(41.6802, 38.0517,
77.0994)**

Conversions

Conversions Part 1

Format	Color
Hex	A69EE2
RGB	166, 158, 226
RGB Percent	65%, 62%, 89%
CMY	0.3490, 0.3804, 0.1137
CMYK	0.27, 0.30, 0.00, 0.11
HSL	247°, 54%, 75%
HSV	247°, 30%, 89%
XYZ	41.6802, 38.0517, 77.0994
YIQ	168.1440, -17.0600, 22.8440

Conversions

Conversions Part 2

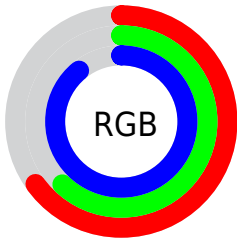
Format	Color
RYB	166, 158, 226
Decimal	10919650
CIELab	68.06, 17.55, -33.33
CIElCh	68, 37.670, 297.762
Yxy	38.0517, 0.2658, 0.2426
Android (android.graphics.Color)	4289109730 (0xFFA69EE2)
YUV	168.1440, 28.5230, -1.8803
Hunter-Lab	61.6861, 12.6587, -30.9244

Details

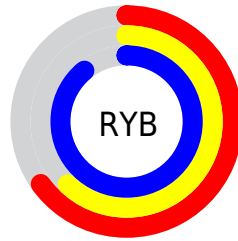
The XYZ color **41.6802, 38.0517, 77.0994** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.2823, 71.7676, 42.9192**, and the grayscale version is **37.1615, 39.0968, 42.5765**.

A 20% lighter version of the original color is **71.9685, 70.3381, 104.3912**, and **19.1955, 16.8624, 40.2733** is the 20% darker color. If you saturate the color by 10%, you get **34.3129, 29.0484, 75.7505**, and if you desaturate by 10%, it is **50.4071, 48.8099, 78.7166**.

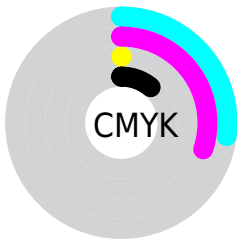
Distribution



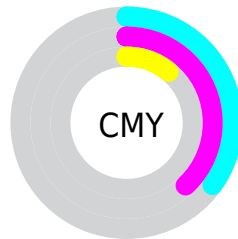
- Red (65%)
- Green (62%)
- Blue (89%)



- Red (65%)
- Yellow (62%)
- Blue (89%)



- Cyan (27%)
- Magenta (30%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (38%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6802, 38.0517, 77.0994 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 41.6802, 38.0517, 77.0994 by changing the saturation by 10% instead.

■ 41.6802, 38.0517,
77.0994

■ 41.6802, 38.0517,
77.0994

344.1698,
337.8417, 504.5495

■ 29.0410, 26.0228,
56.8224

■ 76.9836, 72.1874,
131.0541

■ 19.2563, 16.8407,
40.4543

■ 100.3785, 95.0630,
165.5688

■ 11.9607, 10.1210,
27.5764

128.0893,
122.3229, 205.6666

■ 6.7889, 5.4792,
17.7704

160.4814,
154.3516, 251.7659

■ 3.3756, 2.5311,
10.6175

197.9201,
191.5334, 304.2854

■ 1.3554, 0.8922,
5.6993

240.7709,

■ 0.2241, 0.0000,

234.2528, 363.6434

2.5973

289.3990,
282.8941, 430.2586

■ 0.0000, 0.0000,
0.8911

■ 0.0000, 0.0000,
0.0000

■ 41.6802, 38.0517,
77.0994

■ 41.6802, 38.0517,
77.0994

■ 34.3129, 29.0484,
75.7505

■ 50.4071, 48.8099,
78.7166

■ 28.2327, 21.7022,
74.6530

■ 60.5534, 61.4045,
80.6129

■ 23.3660, 15.9128,
73.7921

■ 72.1803, 75.9178,
82.8014

■ 19.6304, 11.5671,
73.1502

■ 85.3440, 92.4253,
85.2939

■ 16.9329, 8.5366,
72.7074

■ 90.7276, 98.2710,
86.1385

■ 15.1650, 6.6695,
72.4402

■ 14.1687, 5.7185,
72.3091

Harmonies

Analogous

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



35.7283, 38.0517, 82.8247



41.6802, 38.0517, 77.0994



46.5724, 38.0517, 61.1654

Triad

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



41.6802, 38.0517, 77.0994



42.5244, 38.0517, 19.6727



26.0254, 38.0517, 40.1832

Complementary

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



41.6802, 38.0517, 77.0994



62.2823, 71.7676, 42.9192

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.



27.4398, 38.0517, 26.4772



41.6802, 38.0517, 77.0994



36.6092, 38.0517, 16.8080

Square

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



41.6802, 38.0517, 77.0994



47.0957, 38.0517, 28.1315



31.1628, 38.0517, 18.9149



27.0750, 38.0517, 58.3762

Rectangle

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



41.6802, 38.0517, 77.0994



48.3495, 38.0517, 48.6641



31.1628, 38.0517, 18.9149



26.2248, 38.0517, 34.9542

Sweetspot

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



41.6815, 38.0532, 77.1003



81.0991, 82.5810, 106.2731



52.9178, 62.9385, 81.3114



16.9084, 17.1152, 22.6623



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.



41.6815, 38.0532, 77.1003



48.6382, 42.4841, 100.2445



49.7571, 42.2163, 77.4782



13.1011, 13.3201, 17.2682



8.1345, 3.2888, 41.2544



0.6142, 0.2539, 2.8619

Inverse Universe

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



56.2468, 45.6858, 72.1844



70.7323, 54.0693, 92.4560



53.1522, 67.0608, 42.4919



14.2219, 13.9064, 16.9389



23.8307, 11.5993, 32.1037



1.6717, 0.8120, 2.3302

Previews

White Background



This preview shows how the XYZ color 41.6802, 38.0517, 77.0994 looks on a white background.

Color Contrast Check

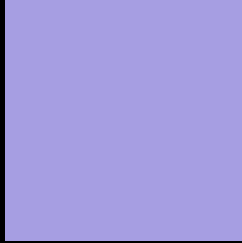
Large Text (above 18pt) WCAG AA × Fail

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 41.6802, 38.0517, 77.0994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

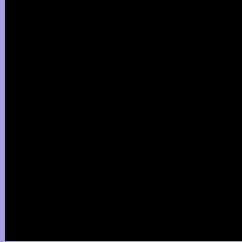
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6802, 38.0517, 77.0994

Background



This preview shows how black text looks on a background with the XYZ color 41.6802, 38.0517, 77.0994.



This preview shows how white text looks on a background with the XYZ color 41.6802, 38.0517,

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

41.6802, 38.0517, 77.0994

Protanopia

39.4124, 38.3751, 80.1928

Deuteranopia

39.2605, 38.3767, 76.5724



Tritanopia

35.9616, 38.1008, 48.6388

Trichromacy



Original Color

41.6802, 38.0517, 77.0994

Protanomaly

40.2001, 38.2701, 79.3968

Deuteranomaly

40.0285, 38.2455, 76.5065

Tritanomaly

37.8507, 38.0557, 58.1739

Monochromacy



Original Color

41.6802, 38.0517, 77.0994

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.3971, 38.4405, 53.5401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6802, 38.0517, 77.0994 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(166, 158, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 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(166, 158, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.6802, 38.0517, 77.0994 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(166, 158, 226) }
```


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

```
.border{ border-color:rgb(166, 158, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 158, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 226);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6802, 38.0517, 77.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 226) }
```

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

```
.background{ background-color: rgb(166,  
158, 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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