

Converting Colors

XYZ(42.4491, 39.3443, 76.9507)

Have a look what the booklet for
XYZ(42.4491, 39.3443, 76.9507)
contains.

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Color

**XYZ(42.4087, 39.1962,
77.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A1E2
RGB	167, 161, 226
RGB Percent	65%, 63%, 89%
CMY	0.3451, 0.3686, 0.1137
CMYK	0.26, 0.29, 0.00, 0.11
HSL	246°, 53%, 76%
HSV	246°, 29%, 89%
XYZ	42.4087, 39.1962, 77.2820
YIQ	170.2040, -17.2890, 21.4870

Conversions

Conversions Part 2

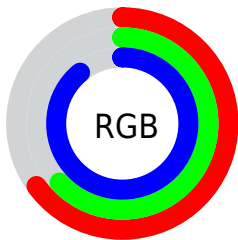
Format	Color
R_{YB}	167, 161, 226
Decimal	10985954
CIE _{Lab}	68.89, 16.15, -32.04
CIE _{LCh}	69, 35.877, 296.755
Yxy	39.1962, 0.2669, 0.2467
Android (android.graphics.Color)	4289176034 (0xFFA7A1E2)
YUV	170.2040, 27.5074, -2.8099
Hunter-Lab	62.6069, 11.3505, -29.3628

Details

The XYZ color **42.4087, 39.1962, 77.2820** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.1456, 72.1825, 44.3242**, and the grayscale version is **38.1845, 40.1731, 43.7485**.

A 20% lighter version of the original color is **73.0373, 72.0197, 104.6595**, and **19.7711, 17.6315, 40.3914** is the 20% darker color. If you saturate the color by 10%, you get **34.8152, 29.9398, 75.8962**, and if you desaturate by 10%, it is **51.4060, 50.2376, 78.9397**.

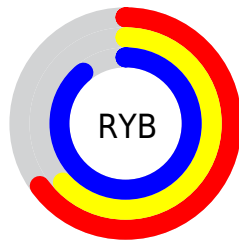
Distribution



Red (65%)

Green (63%)

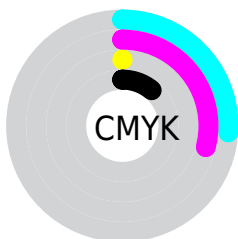
Blue (89%)



Red (65%)

Yellow (63%)

Blue (89%)

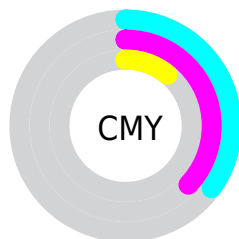


Cyan (26%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4087, 39.1962, 77.2820 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 42.4087, 39.1962, 77.2820 by changing the saturation by 10% instead.

■ 42.4087, 39.1962,
77.2820

■ 42.4087, 39.1962,
77.2820

347.1372,
342.7239, 505.1882

■ 29.6140, 26.9124,
56.9714

■ 78.0791, 73.9379,
131.3141

■ 19.6924, 17.5074,
40.5731

■ 101.6854, 97.1647,
165.8727

■ 12.2786, 10.5969,
27.6685

129.6264,
124.8078, 206.0178

■ 7.0072, 5.7965,
17.8390

162.2673,
157.2518, 252.1678

■ 3.5130, 2.7217,
10.6662

199.9734,
194.8810, 304.7413

■ 1.4305, 0.9882,
5.7315

243.1102,

■ 0.2778, 0.0000,

238.0799, 364.1568

2.6164

292.0431,
287.2327, 430.8329

■ 0.0000, 0.0000,
0.9009

■ 0.0000, 0.0000,
0.0000

■ 42.4087, 39.1962,
77.2820

■ 42.4087, 39.1962,
77.2820

■ 34.8152, 29.9398,
75.8962

■ 51.4060, 50.2376,
78.9397

■ 28.5508, 22.3702,
74.7653

■ 61.8691, 63.1461,
80.8798

■ 23.5398, 16.3867,
73.8745

■ 73.8607, 78.0043,
83.1157

■ 19.6972, 11.8760,
73.2064

■ 87.4390, 94.8885,
85.6590

■ 16.9273, 8.7097,
72.7412

■ 90.7276, 98.2710,
86.1386

■ 15.1191, 6.7373,
72.4558

■ 14.1207, 5.7389,
72.3157

■ 14.0339, 5.6490,
72.3029

Harmonies

Analogous

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



36.6379, 39.1962, 82.3037



42.4087, 39.1962, 77.2820



47.1913, 39.1962, 62.2984

Triad

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



42.4087, 39.1962, 77.2820



43.5909, 39.1962, 21.4443



27.3504, 39.1962, 40.9259

Complementary

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



42.4087, 39.1962, 77.2820



63.1456, 72.1825, 44.3242

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.



28.8213, 39.1962, 27.6815



42.4087, 39.1962, 77.2820



37.8786, 39.1962, 18.3877

Square

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



42.4087, 39.1962, 77.2820



47.9213, 39.1962, 30.0519



32.5364, 39.1962, 20.3409



28.3016, 39.1962, 58.4218

Rectangle

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



42.4087, 39.1962, 77.2820



48.9716, 39.1962, 50.2799



32.5364, 39.1962, 20.3409



27.5739, 39.1962, 35.8838

Sweetspot

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



42.4100, 39.1978, 77.2829



80.9077, 82.4823, 106.2641



54.1731, 64.5622, 81.5588



16.8617, 17.0911, 22.6602



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.



42.4100, 39.1978, 77.2829



49.0937, 43.3989, 100.3971



50.0047, 43.1129, 77.6383



13.0688, 13.3035, 17.2667



8.0493, 3.2449, 41.2504



0.5988, 0.2460, 2.8612

Inverse Universe

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



57.0283, 46.8272, 73.7440



71.5826, 55.1423, 94.6738



54.3901, 67.6688, 43.9145



14.2376, 13.9127, 17.0214



24.2129, 11.7522, 34.1167



1.6945, 0.8211, 2.4499

Previews

White Background



This preview shows how the XYZ color 42.4087, 39.1962, 77.2820 looks on a white background.

Color Contrast Check

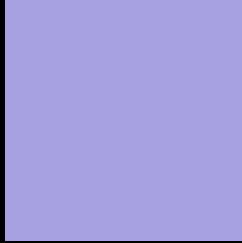
Large Text (above 18pt) WCAG AA × Fail

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 42.4087, 39.1962, 77.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

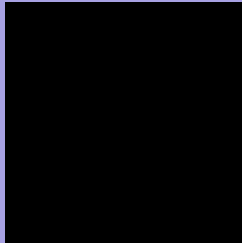
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4087, 39.1962, 77.2820

Background



This preview shows how black text looks on a background with the XYZ color 42.4087, 39.1962, 77.2820.



This preview shows how white text looks on a background with the XYZ color 42.4087, 39.1962,

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

42.4087, 39.1962, 77.2820

Protanopia

40.3136, 39.3752, 80.3383

Deuteranopia

40.3637, 39.4810, 76.7274



Tritanopia

37.0333, 39.1658, 50.4076

Trichromacy



Original Color

42.4087, 39.1962, 77.2820

Protanomaly

41.1286, 39.2760, 79.5421

Deuteranomaly

40.9666, 39.2563, 76.6522

Tritanomaly

38.8453, 39.0773, 59.5281

Monochromacy



Original Color

42.4087, 39.1962, 77.2820

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.4752, 39.7902, 54.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4087, 39.1962, 77.2820 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(167, 161, 226)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 161, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.4087, 39.1962, 77.2820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

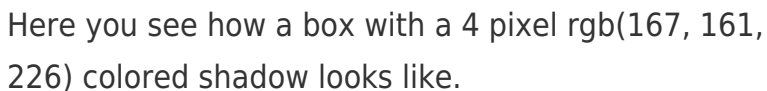
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 161, 226) }
```


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

```
.border{ border-color:rgb(167, 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(167, 161, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 161, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 161, 226); box-shadow:4px 4px 4px 4px rgb(167, 161, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4087, 39.1962, 77.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 226) }
```

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

```
.background{ background-color: rgb(167,  
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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