

Converting Colors

XYZ(42.5783, 38.8770, 76.0657)

Have a look what the booklet for
XYZ(42.5783, 38.8770, 76.0657)
contains.

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Color

**XYZ(42.4302, 38.7241,
75.7592)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9FE0
RGB	170, 159, 224
RGB Percent	67%, 62%, 88%
CMY	0.3333, 0.3765, 0.1216
CMYK	0.24, 0.29, 0.00, 0.12
HSL	250°, 51%, 75%
HSV	250°, 29%, 88%
XYZ	42.4302, 38.7241, 75.7592
YIQ	169.6990, -14.3090, 22.5470

Conversions

Conversions Part 2

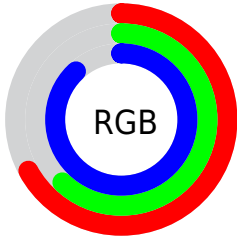
Format	Color
R_{YB}	170, 159, 224
Decimal	11182048
CIE _{Lab}	68.55, 17.69, -31.45
CIE _{LCh}	69, 36.081, 299.360
Yxy	38.7241, 0.2704, 0.2468
Android (android.graphics.Color)	4289372128 (0xFFAA9FE0)
YUV	169.6990, 26.7704, 0.2640
Hunter-Lab	62.2287, 12.8088, -28.6215

Details

The XYZ color **42.4302, 38.7241, 75.7592** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.3553, 69.9615, 43.1253**, and the grayscale version is **37.9359, 39.9115, 43.4637**.

A 20% lighter version of the original color is **73.4606, 71.4819, 104.5333**, and **19.8601, 17.3716, 39.8424** is the 20% darker color. If you saturate the color by 10%, you get **35.1796, 29.7776, 74.4152**, and if you desaturate by 10%, it is **50.9508, 49.3632, 77.3643**.

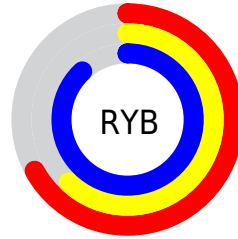
Distribution



Red (67%)

Green (62%)

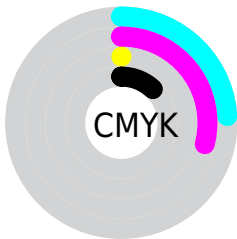
Blue (88%)



Red (67%)

Yellow (62%)

Blue (88%)

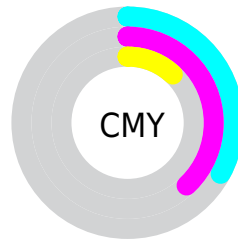


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (33%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4302, 38.7241, 75.7592 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 42.4302, 38.7241, 75.7592 by changing the saturation by 10% instead.

■ 42.4302, 38.7241,
75.7592

■ 42.4302, 38.7241,
75.7592

347.2246,
340.7161, 499.8479

■ 29.6309, 26.5452,
55.7296

■ 78.1114, 73.2166,
129.1434

■ 19.7053, 17.2319,
39.5836

■ 101.7240, 96.2990,
163.3351

■ 12.2880, 10.4000,
26.9027

129.6717,
123.7847, 203.0846

■ 7.0137, 5.6650,
17.2684

162.3199,
156.0581, 248.8105

■ 3.5171, 2.6424,
10.2621

200.0339,
193.5035, 300.9312

■ 1.4327, 0.9480,
5.4652

243.1791,

■ 0.2794, 0.0000,

236.5054, 359.8653

2.4592

292.1209,
285.4481, 426.0313

■ 0.0000, 0.0000,
0.8184

■ 0.0000, 0.0000,
0.0000

■ 42.4302, 38.7241,
75.7592

■ 42.4302, 38.7241,
75.7592

■ 35.1796, 29.7776,
74.4152

■ 50.9508, 49.3632,
77.3643

■ 29.1337, 22.4313,
73.3158

■ 60.7949, 61.7716,
79.2405

■ 24.2269, 16.5912,
72.4472

■ 72.0175, 76.0269,
81.4006

■ 20.3859, 12.1511,
71.7926

■ 84.6693, 92.2005,
83.8556

■ 17.5282, 8.9910,
71.3333

■ 90.4547, 98.1619,
84.7013

■ 15.5590, 6.9702,
71.0470

■ 14.3434, 5.8755,
70.8998

■ 14.2505, 5.7922,
70.8886

Harmonies

Analogous

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



36.6841, 38.7241, 81.8562



42.4302, 38.7241, 75.7592



47.0354, 38.7241, 60.2166

Triad

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



42.4302, 38.7241, 75.7592



42.6631, 38.7241, 20.5565



26.9216, 38.7241, 41.8153

Complementary

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



42.4302, 38.7241, 75.7592



60.3553, 69.9615, 43.1253

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.



28.1791, 38.7241, 28.1365



42.4302, 38.7241, 75.7592



36.9283, 38.7241, 17.9672

Square

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



42.4302, 38.7241, 75.7592



47.1793, 38.7241, 28.6015



31.7023, 38.7241, 20.3407



28.0770, 38.7241, 59.4519

Rectangle

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



42.4302, 38.7241, 75.7592



48.6290, 38.7241, 48.2126



31.7023, 38.7241, 20.3407



27.0739, 38.7241, 36.6437

Sweetspot

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



42.4315, 38.7256, 75.7601



81.4907, 82.7829, 106.2914



51.5900, 60.4262, 79.4660



17.0040, 17.1645, 22.6668



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.



42.4315, 38.7256, 75.7601



50.6624, 44.2076, 100.4705



50.3013, 42.7827, 76.1284



13.1671, 13.3542, 17.2713



8.3604, 3.4053, 41.2650



0.6455, 0.2700, 2.8633

Inverse Universe

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



55.1500, 45.4491, 68.8179



70.5437, 54.7268, 89.2030



51.8928, 65.5990, 42.7293



14.1902, 13.8937, 16.7719



23.0951, 11.3051, 28.2305



1.6275, 0.7943, 2.0975

Previews

White Background



This preview shows how the XYZ color 42.4302, 38.7241, 75.7592 looks on a white background.

Color Contrast Check

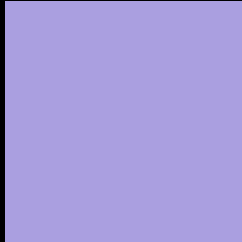
Large Text (above 18pt) WCAG AA × Fail

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 42.4302, 38.7241, 75.7592 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 42.4302, 38.7241, 75.7592

Background



This preview shows how black text looks on a background with the XYZ color 42.4302, 38.7241, 75.7592.



This preview shows how white text looks on a background with the XYZ color 42.4302, 38.7241,

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

42.4302, 38.7241, 75.7592

Protanopia

39.9924, 38.9570, 79.5404

Deuteranopia

39.9113, 39.0103, 75.2382



Tritanopia

37.0595, 38.6550, 49.2240

Trichromacy



Original Color

42.4302, 38.7241, 75.7592

Protanomaly

40.8669, 38.9085, 78.0292

Deuteranomaly

40.7146, 38.8930, 75.1733

Tritanomaly

38.8706, 38.5815, 58.2216

Monochromacy



Original Color

42.4302, 38.7241, 75.7592

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.5080, 39.5362, 54.2641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4302, 38.7241, 75.7592 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(170, 159, 224)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 224)  
}
```

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(170, 159, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 224) }
```

Border

The CSS property to change the border of an element to XYZ 42.4302, 38.7241, 75.7592 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(170, 159, 224) }
```


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

```
.border{ border-color:rgb(170, 159, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 224);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4302, 38.7241, 75.7592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 224) }
```

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

```
.background{ background-color: rgb(170,  
159, 224) }
```

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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