

Converting Colors

XYZ(45.7737, 42.8043, 78.3607)

Have a look what the booklet for
XYZ(45.7737, 42.8043, 78.3607)
contains.

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Color

**XYZ(45.7723, 42.7814,
78.5182)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A8E3
RGB	176, 168, 227
RGB Percent	69%, 66%, 89%
CMY	0.3098, 0.3412, 0.1098
CMYK	0.22, 0.26, 0.00, 0.11
HSL	248°, 51%, 77%
HSV	248°, 26%, 89%
XYZ	45.7723, 42.7814, 78.5182
YIQ	177.1180, -14.1710, 20.0450

Conversions

Conversions Part 2

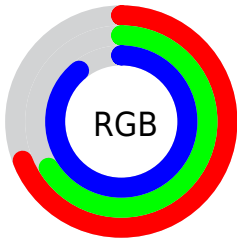
Format	Color
R_{YB}	176, 168, 227
Decimal	11577571
CIE _{Lab}	71.41, 15.16, -28.65
CIE _{LCh}	71, 32.414, 297.891
Yxy	42.7814, 0.2740, 0.2561
Android (android.graphics.Color)	4289767651 (0xFFB0A8E3)
YUV	177.1180, 24.5918, -0.9805
Hunter-Lab	65.4075, 10.4516, -25.3892

Details

The XYZ color **45.7723, 42.7814, 78.5182** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.7514, 72.8263, 47.7443**, and the grayscale version is **41.7333, 43.9067, 47.8144**.

A 20% lighter version of the original color is **77.7164, 77.1512, 105.4033**, and **21.6221, 19.5686, 41.1656** is the 20% darker color. If you saturate the color by 10%, you get **37.8212, 32.9957, 77.0492**, and if you desaturate by 10%, it is **55.0991, 54.3641, 80.2630**.

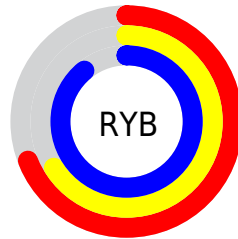
Distribution



Red (69%)

Green (66%)

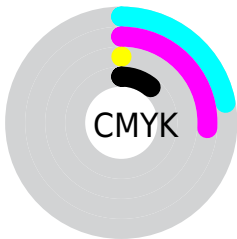
Blue (89%)



Red (69%)

Yellow (66%)

Blue (89%)

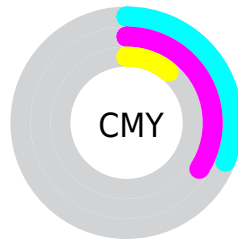


Cyan (22%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7723, 42.7814, 78.5182 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 45.7723, 42.7814, 78.5182 by changing the saturation by 10% instead.

■ 45.7723, 42.7814,
78.5182

■ 45.7723, 42.7814,
78.5182

360.6238,
357.7120, 509.4994

■ 32.2700, 29.7136,
57.9808

■ 83.1081, 79.3809,
133.0729

■ 21.7244, 19.6213,
41.3786

■ 107.6723,
103.6814, 167.9272

■ 13.7700, 12.1201,
28.2931

136.6546,
132.4949, 208.3909

■ 8.0415, 6.8255,
18.3058

170.4202,
166.2059, 254.8826

■ 4.1735, 3.3532,
10.9980

209.3346,
205.1987, 307.8207

■ 1.8008, 1.3188,
5.9514

253.7631,

■ 0.5181, 0.1557,

249.8577, 367.6239

2.7472

304.0710,
300.5674, 434.7106

■ 0.0000, 0.0000,
0.9671

■ 0.0000, 0.0000,
0.0000

■ 45.7723, 42.7814,
78.5182

■ 45.7723, 42.7814,
78.5182

■ 37.8212, 32.9957,
77.0492

■ 55.0991, 54.3641,
80.2630

■ 31.1761, 24.9118,
75.8390

■ 65.8582, 67.8225,
82.2937

■ 25.7676, 18.4333,
74.8736

■ 78.1085, 83.2368,
84.6233

■ 21.5181, 13.4521,
74.1361

■ 90.6785, 98.2298,
86.8547

■ 18.3410, 9.8466,
73.6077

■ 90.8653, 98.3261,
86.8635

■ 16.1371, 7.4762,
73.2663

■ 14.7875, 6.1682,
73.0849

■ 14.4237, 5.8340,
73.0396

Harmonies

Analogous

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



40.2774, 42.7814, 83.5380



45.7723, 42.7814, 78.5182



50.2160, 42.7814, 64.4544

Triad

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



45.7723, 42.7814, 78.5182



46.5000, 42.7814, 25.4785



31.0502, 42.7814, 45.4843

Complementary

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



45.7723, 42.7814, 78.5182



63.7514, 72.8263, 47.7443

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.



32.4046, 42.7814, 32.3620



45.7723, 42.7814, 78.5182



41.0499, 42.7814, 22.5381

Square

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



45.7723, 42.7814, 78.5182



50.6618, 42.7814, 33.8882



35.9478, 42.7814, 24.7458



32.0738, 42.7814, 62.1046

Rectangle

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



45.7723, 42.7814, 78.5182



51.8116, 42.7814, 53.1757



35.9478, 42.7814, 24.7458



31.2397, 42.7814, 40.5567

Sweetspot

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



45.7737, 42.7831, 78.5192



82.6913, 84.4755, 106.5548



55.3811, 64.6046, 82.2248



17.2320, 17.4958, 22.7188



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.



45.7737, 42.7831, 78.5192



53.9780, 48.7741, 101.1771



53.1472, 46.5843, 78.8642



13.7636, 13.9804, 18.1174



8.4677, 3.4312, 42.5992



0.6841, 0.2836, 3.1507

Inverse Universe

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



58.4685, 49.4522, 73.4825



73.1275, 58.8398, 93.3154



55.6819, 68.6663, 47.3667



14.9066, 14.5798, 17.7087



24.3326, 11.8672, 31.7100



1.8215, 0.8863, 2.4663

Previews

White Background



This preview shows how the XYZ color 45.7723, 42.7814, 78.5182 looks on a white background.

Color Contrast Check

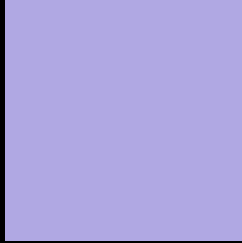
Large Text (above 18pt) WCAG AA × Fail

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 45.7723, 42.7814, 78.5182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

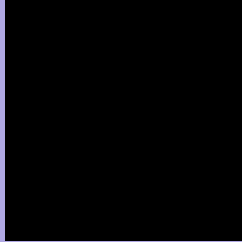
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7723, 42.7814, 78.5182

Background



This preview shows how black text looks on a background with the XYZ color 45.7723, 42.7814, 78.5182.



This preview shows how white text looks on a background with the XYZ color 45.7723, 42.7814,

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

45.7723, 42.7814, 78.5182

Protanopia

43.5246, 42.9712, 80.8632

Deuteranopia

43.7898, 42.8885, 77.9219



Tritanopia

40.8775, 42.7691, 54.2449

Trichromacy



Original Color

45.7723, 42.7814, 78.5182

Protanomaly

44.2228, 42.7823, 80.0558

Deuteranomaly

44.4388, 42.9416, 77.8979

Tritanomaly

42.5453, 42.5875, 62.4777

Monochromacy



Original Color

45.7723, 42.7814, 78.5182

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1178, 43.5593, 57.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7723, 42.7814, 78.5182 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(176, 168, 227)` looks like.

```
.text, #text, p{  
    color:rgb(176, 168, 227)  
}
```

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(176, 168, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.7723, 42.7814, 78.5182 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(176, 168, 227) }
```


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

```
.border{ border-color:rgb(176, 168, 227) }
```

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

Here you see how a box with a 4 pixel rgb(176, 168, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 168, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 168, 227);  
box-shadow:4px 4px 4px 4px rgb(176, 168,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7723, 42.7814, 78.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 168, 227) }
```

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

```
.background{ background-color: rgb(176,  
168, 227) }
```

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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