

Converting Colors

XYZ(46.7228, 44.7109, 80.1474)

Have a look what the booklet for
XYZ(46.7228, 44.7109, 80.1474)
contains.

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Color

**XYZ(46.7656, 44.6582,
80.2838)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4DE5
RGB	175, 173, 229
RGB Percent	69%, 68%, 90%
CMY	0.3137, 0.3216, 0.1020
CMYK	0.24, 0.24, 0.00, 0.10
HSL	242°, 52%, 79%
HSV	242°, 24%, 90%
XYZ	46.7656, 44.6582, 80.2838
YIQ	179.9820, -16.7840, 17.8400

Conversions

Conversions Part 2

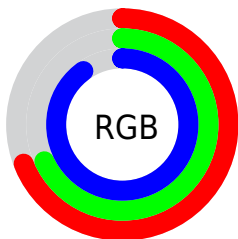
Format	Color
RYB	175, 173, 229
Decimal	11513317
CIELab	72.67, 12.55, -27.81
CIELCh	73, 30.510, 294.283
Yxy	44.6582, 0.2724, 0.2601
Android (android.graphics.Color)	4289703397 (0xFFFAFADE5)
YUV	179.9820, 24.1659, -4.3692
Hunter-Lab	66.8268, 7.9680, -24.4506

Details

The XYZ color **46.7656, 44.6582, 80.2838** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.2419, 75.3876, 50.5442**, and the grayscale version is **43.2548, 45.5074, 49.5576**.

A 20% lighter version of the original color is **78.7484, 79.6957, 105.8401**, and **22.2654, 20.7568, 42.3681** is the 20% darker color. If you saturate the color by 10%, you get **38.1877, 34.2675, 78.7310**, and if you desaturate by 10%, it is **56.9095, 56.9755, 82.1274**.

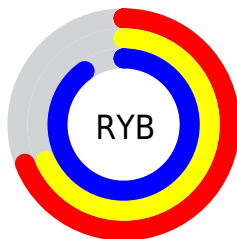
Distribution



Red (69%)

Green (68%)

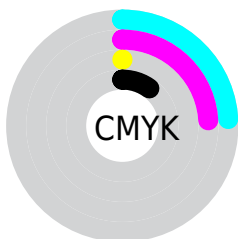
Blue (90%)



Red (69%)

Yellow (68%)

Blue (90%)

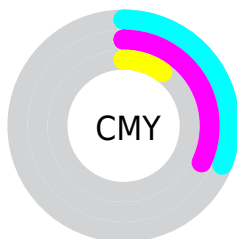


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (32%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7656, 44.6582, 80.2838 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 46.7656, 44.6582, 80.2838 by changing the saturation by 10% instead.

■ 46.7656, 44.6582,
80.2838

■ 46.7656, 44.6582,
80.2838

364.5427,
365.3875, 515.6207

■ 33.0576, 31.1883,
59.4244

■ 84.5845, 82.2073,
135.5797

■ 22.3300, 20.7423,
42.5326

109.4261,
107.0552, 170.8532

■ 14.2175, 12.9357,
29.1899

138.7095,
136.4646, 211.7685

■ 8.3548, 7.3843,
18.9777

172.8003,
170.8199, 258.7441

■ 4.3765, 3.7036,
11.4775

212.0636,
210.5054, 312.1986

■ 1.9173, 1.5092,
6.2708

256.8648,

■ 0.5868, 0.2952,

255.9056, 372.5505

2.9390

307.5694,
307.4048, 440.2184

■ 0.0000, 0.0000,
1.0636

■ 0.0000, 0.0000,
0.0000

■ 46.7656, 44.6582,
80.2838

■ 46.7656, 44.6582,
80.2838

■ 38.1877, 34.2675,
78.7310

■ 56.9095, 56.9755,
82.1274

■ 31.0936, 25.7009,
77.4514

■ 68.6873, 71.3040,
84.2723

■ 25.4005, 18.8547,
76.4300

■ 82.1682, 87.7302,
86.7324

■ 21.0154, 13.6127,
75.6493

■ 91.1430, 98.4372,
88.3260

■ 17.8345, 9.8442,
75.0896

■ 15.7376, 7.3981,
74.7280

■ 14.5804, 6.0907,
74.5366

■ 14.2453, 5.7100,
74.4808

Harmonies

Analogous

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



41.4416, 44.6582, 83.7279



46.7656, 44.6582, 80.2838



51.2464, 44.6582, 67.6785

Triad

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



46.7656, 44.6582, 80.2838



48.6617, 44.6582, 28.6108



33.1134, 44.6582, 45.7822

Complementary

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



46.7656, 44.6582, 80.2838



67.2419, 75.3876, 50.5442

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.



34.7161, 44.6582, 33.5324



46.7656, 44.6582, 80.2838



43.4670, 44.6582, 25.0282

Square

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



46.7656, 44.6582, 80.2838



52.4032, 44.6582, 37.6081



38.4015, 44.6582, 26.6223



33.8379, 44.6582, 61.6076

Rectangle

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



46.7656, 44.6582, 80.2838



53.0032, 44.6582, 56.9458



38.4015, 44.6582, 26.6223



33.3934, 44.6582, 41.1573

Sweetspot

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



46.7671, 44.6600, 80.2848



83.5661, 86.0156, 106.8060



58.8832, 69.5536, 84.4512



17.6854, 18.1661, 22.8242



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.



46.7671, 44.6600, 80.2848



54.2770, 50.4402, 101.4830



53.6802, 48.2238, 80.6083



13.6302, 13.9116, 18.1111



8.1660, 3.2756, 42.5850



0.6203, 0.2508, 3.1477

Inverse Universe

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



61.1231, 52.0929, 79.5078



75.4019, 61.3792, 100.2681



59.1520, 71.2171, 50.1656



14.9717, 14.6059, 18.0515



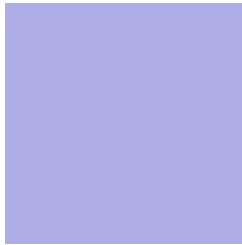
25.9337, 12.5077, 40.1414



1.9234, 0.9271, 3.0032

Previews

White Background



This preview shows how the XYZ color 46.7656, 44.6582, 80.2838 looks on a white background.

Color Contrast Check

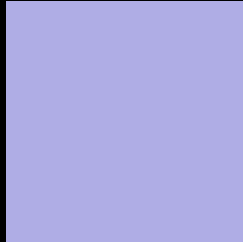
Large Text (above 18pt) WCAG AA × Fail

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 46.7656, 44.6582, 80.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

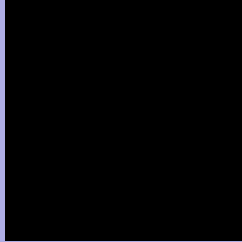
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7656, 44.6582, 80.2838

Background



This preview shows how black text looks on a background with the XYZ color 46.7656, 44.6582, 80.2838.



This preview shows how white text looks on a background with the XYZ color 46.7656, 44.6582,

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

46.7656, 44.6582, 80.2838

Protanopia

45.2590, 44.7127, 81.8463

Deuteranopia

45.8350, 44.7521, 80.3510



Tritanopia

42.0062, 44.4601, 57.4066

Trichromacy



Original Color

46.7656, 44.6582, 80.2838

Protanomaly

45.7613, 44.6979, 81.0786

Deuteranomaly

46.0735, 44.5872, 80.3066

Tritanomaly

43.7792, 44.6072, 65.3341

Monochromacy



Original Color

46.7656, 44.6582, 80.2838

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.2753, 44.9865, 59.7758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7656, 44.6582, 80.2838 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(175, 173, 229)` looks like.

```
.text, #text, p{  
    color:rgb(175, 173, 229)  
}
```

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(175, 173, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 173, 229) }
```

Border

The CSS property to change the border of an element to XYZ 46.7656, 44.6582, 80.2838 is called "border". The border property can be set on classes, ids or directly on the HTML element.

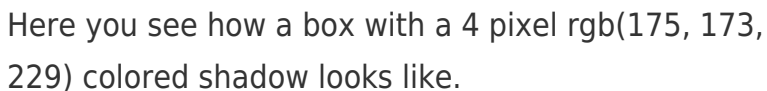
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 173, 229) }
```


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

```
.border{ border-color:rgb(175, 173, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 173, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 173, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 173, 229);  
box-shadow:4px 4px 4px 4px rgb(175, 173,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7656, 44.6582, 80.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 173, 229) }
```

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

```
.background{ background-color: rgb(175,  
173, 229) }
```

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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