

Converting Colors

XYZ(46.1279, 41.2952, 75.6427)

Have a look what the booklet for
XYZ(46.1279, 41.2952, 75.6427)
contains.

XYZ(46.2472, 41.4827, 75.3815)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.2472, 41.4827,
75.3815)**

Conversions

Conversions Part 1

Format	Color
Hex	B9A2DF
RGB	185, 162, 223
RGB Percent	73%, 64%, 87%
CMY	0.2745, 0.3647, 0.1255
CMYK	0.17, 0.27, 0.00, 0.13
HSL	263°, 49%, 75%
HSV	263°, 27%, 87%
XYZ	46.2472, 41.4827, 75.3815
YIQ	175.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

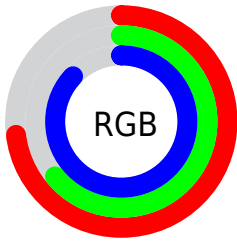
Format	Color
R _Y B	185, 162, 223
Decimal	12165855
CIE Lab	70.51, 20.37, -27.77
CIE LCh	71, 34.436, 306.256
Yxy	41.4827, 0.2835, 0.2543
Android (android.graphics.Color)	4290355935 (0xFFB9A2DF)
YUV	175.8310, 23.2543, 8.0412
Hunter-Lab	64.4071, 15.4587, -24.3076

Details

The XYZ color **46.2472, 41.4827, 75.3815** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.7300, 67.6644, 44.2548**, and the grayscale version is **41.0650, 43.2035, 47.0486**.

A 20% lighter version of the original color is **79.4808, 75.7230, 105.0346**, and **22.0039, 18.8043, 39.5157** is the 20% darker color. If you saturate the color by 10%, you get **39.4729, 32.6678, 74.0378**, and if you desaturate by 10%, it is **54.0483, 51.8629, 76.9746**.

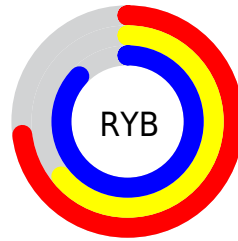
Distribution



Red (73%)

Green (64%)

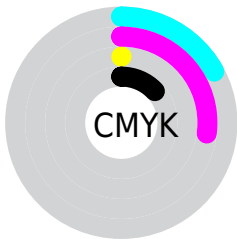
Blue (87%)



Red (73%)

Yellow (64%)

Blue (87%)

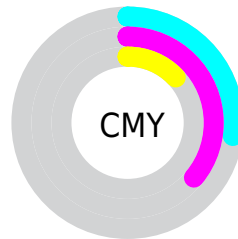


Cyan (17%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (27%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2472, 41.4827, 75.3815 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 46.2472, 41.4827, 75.3815 by changing the saturation by 10% instead.

■ 46.2472, 41.4827,
75.3815

■ 46.2472, 41.4827,
75.3815

362.5009,
352.3340, 498.5182

■ 32.6464, 28.6965,
55.4219

■ 83.8144, 77.4161,
128.6043

■ 22.0136, 18.8513,
39.3387

■ 108.5116,
101.3321, 162.7046

■ 13.9836, 11.5629,
26.7135

137.6382,
129.7267, 202.3555

■ 8.1909, 6.4468,
17.1276

171.5596,
162.9844, 247.9755

■ 4.2702, 3.1186,
10.1626

210.6413,
201.4896, 299.9833

■ 1.8561, 1.1940,
5.3999

255.2484,

■ 0.5511, 0.0568,

245.6267, 358.7973

2.4209

305.7465,
295.7800, 424.8361

■ 0.0000, 0.0000,
0.7978

■ 0.0000, 0.0000,
0.0000

■ 46.2472, 41.4827,
75.3815

■ 46.2472, 41.4827,
75.3815

■ 39.4729, 32.6678,
74.0378

■ 54.0483, 51.8629,
76.9746

■ 33.6750, 25.3347,
72.9279

■ 62.9151, 63.8761,
78.8260

■ 28.8051, 19.3996,
72.0390

■ 72.8895, 77.5921,
80.9478

■ 24.8084, 14.7683,
71.3557

■ 84.0097, 93.0752,
83.3502

■ 21.6233, 11.3339,
70.8607

■ 90.1220, 98.0060,
83.9798

■ 19.1793, 8.9723,
70.5337

■ 90.3194, 98.1078,
83.9891

■ 17.3850, 7.5188,
70.3477

■ 16.9827, 7.2163,
70.3105

Harmonies

Analogous

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



40.6304, 41.4827, 83.9469



46.2472, 41.4827, 75.3815



50.2956, 41.4827, 58.9710

Triad

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



46.2472, 41.4827, 75.3815



43.9918, 41.4827, 22.1575



29.5362, 41.4827, 48.6631

Complementary

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



46.2472, 41.4827, 75.3815



56.7300, 67.6644, 44.2548

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.



30.2509, 41.4827, 33.7061



46.2472, 41.4827, 75.3815



38.2497, 41.4827, 20.6613

Square

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



46.2472, 41.4827, 75.3815



48.9085, 41.4827, 29.0779



33.3145, 41.4827, 24.3463



31.2595, 41.4827, 66.3093

Rectangle

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



46.2472, 41.4827, 75.3815



51.3632, 41.4827, 47.2413



33.3145, 41.4827, 24.3463



29.5018, 41.4827, 43.1555

Sweetspot

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



46.2486, 41.4844, 75.3824



84.3620, 85.3367, 106.6330



49.0223, 54.6131, 77.7703



17.6502, 17.7114, 22.7383



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.



46.2486, 41.4844, 75.3824



57.0983, 48.9265, 101.0421



54.2260, 45.5969, 75.7558



13.4380, 13.4938, 17.2840



10.1013, 4.3027, 41.3465



0.7973, 0.3483, 2.8705

Inverse Universe

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



53.7784, 45.7005, 60.6320



69.1306, 55.6716, 77.1068



49.5171, 63.9460, 43.9173



14.0645, 13.8434, 16.1097



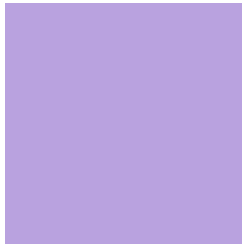
20.6865, 10.3416, 15.5467



1.4769, 0.7340, 1.3044

Previews

White Background



This preview shows how the XYZ color 46.2472, 41.4827, 75.3815 looks on a white background.

Color Contrast Check

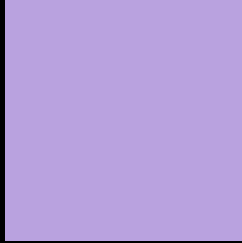
Large Text (above 18pt) WCAG AA × Fail

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 46.2472, 41.4827, 75.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

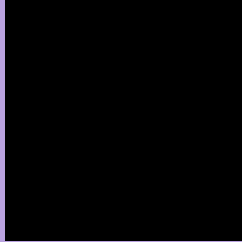
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2472, 41.4827, 75.3815

Background



This preview shows how black text looks on a background with the XYZ color 46.2472, 41.4827, 75.3815.



This preview shows how white text looks on a background with the XYZ color 46.2472, 41.4827,

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

46.2472, 41.4827, 75.3815

Protanopia

42.2279, 41.4745, 79.9085

Deuteranopia

42.4770, 41.4364, 74.8665



Tritanopia

41.2821, 41.6333, 50.6600

Trichromacy



Original Color

46.2472, 41.4827, 75.3815

Protanomaly

43.6202, 41.3990, 78.3648

Deuteranomaly

43.6156, 41.2043, 74.7617

Tritanomaly

43.0678, 41.5384, 59.1739

Monochromacy



Original Color

46.2472, 41.4827, 75.3815

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.7790, 42.5598, 56.4122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2472, 41.4827, 75.3815 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(185, 162, 223)` looks like.

```
.text, #text, p{  
    color:rgb(185, 162, 223)  
}
```

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(185, 162, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 162, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.2472, 41.4827, 75.3815 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(185, 162, 223) }
```


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

```
.border{ border-color:rgb(185, 162, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 162, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 162, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 162, 223);  
box-shadow:4px 4px 4px 4px rgb(185, 162,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2472, 41.4827, 75.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 162, 223) }
```

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

```
.background{ background-color: rgb(185,  
162, 223) }
```

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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