

Converting Colors

XYZ(45.2106, 42.6323, 72.1765)

Have a look what the booklet for
XYZ(45.2106, 42.6323, 72.1765)
contains.

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Color

**XYZ(45.2479, 42.6509,
72.1773)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A8DA
RGB	179, 168, 218
RGB Percent	70%, 66%, 85%
CMY	0.2980, 0.3412, 0.1451
CMYK	0.18, 0.23, 0.00, 0.15
HSL	253°, 40%, 76%
HSV	253°, 23%, 85%
XYZ	45.2479, 42.6509, 72.1773
YIQ	176.9890, -9.4940, 17.8820

Conversions

Conversions Part 2

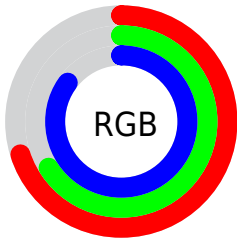
Format	Color
R_{YB}	179, 168, 218
Decimal	11774170
CIE _{Lab}	71.32, 14.04, -23.84
CIE _{LCh}	71, 27.668, 300.504
Yxy	42.6509, 0.2827, 0.2664
Android (android.graphics.Color)	4289964250 (0xFFB3A8DA)
YUV	176.9890, 20.2184, 1.7636
Hunter-Lab	65.3077, 9.3839, -19.8113

Details

The XYZ color **45.2479, 42.6509, 72.1773** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.8728, 66.2364, 46.7823**, and the grayscale version is **41.6861, 43.8570, 47.7603**.

A 20% lighter version of the original color is **78.6986, 77.6575, 105.4493**, and **21.4604, 19.5707, 37.2968** is the 20% darker color. If you saturate the color by 10%, you get **37.8651, 33.3638, 70.7745**, and if you desaturate by 10%, it is **53.7927, 53.5407, 73.8296**.

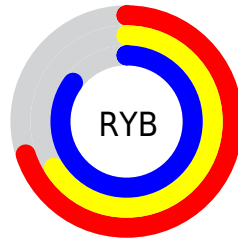
Distribution



Red (70%)

Green (66%)

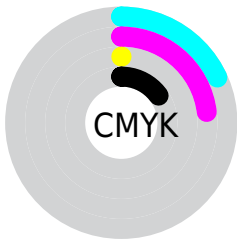
Blue (85%)



Red (70%)

Yellow (66%)

Blue (85%)

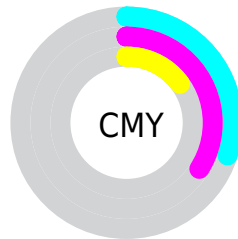


Cyan (18%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (30%)

Magenta (34%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2479, 42.6509, 72.1773 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 45.2479, 42.6509, 72.1773 by changing the saturation by 10% instead.

■ 45.2479, 42.6509,
72.1773

■ 45.2479, 42.6509,
72.1773

358.5435,
357.1741, 487.1526

■ 31.8548, 29.6113,
52.8158

■ 82.3271, 79.1838,
124.0186

■ 21.4057, 19.5437,
37.2690

■ 106.7439,
103.4459, 157.3356

■ 13.5350, 12.0638,
25.1184

135.5660,
132.2176, 196.1414

■ 7.8775, 6.7872,
15.9455

169.1588,
165.8833, 240.8546

■ 4.0678, 3.3294,
9.3317

207.8875,
204.8274, 291.8938

■ 1.7406, 1.3060,
4.8584

252.1177,

■ 0.4815, 0.1458,

249.4343, 349.6775

2.1071

302.2145,
300.0884, 414.6243

■ 0.0000, 0.0000,
0.6200

■ 0.0000, 0.0000,
0.0000

■ 45.2479, 42.6509,
72.1773

■ 45.2479, 42.6509,
72.1773

■ 37.8651, 33.3638,
70.7745

■ 53.7927, 53.5407,
73.8296

■ 31.5892, 25.5978,
69.6063

■ 63.5435, 66.0991,
75.7397

■ 26.3663, 19.2721,
68.6606

■ 74.5467, 80.3945,
77.9190

■ 22.1364, 14.2962,
67.9231

■ 86.7800, 96.3599,
80.3559

■ 18.8331, 10.5689,
67.3777

■ 89.6550, 97.8420,
80.4904

■ 16.3815, 7.9746,
67.0062

■ 14.6933, 6.3749,
66.7864

■ 13.8719, 5.6893,
66.6974

Harmonies

Analogous

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



40.6171, 42.6509, 77.0360



45.2479, 42.6509, 72.1773



48.8284, 42.6509, 60.2211

Triad

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



45.2479, 42.6509, 72.1773



45.1014, 42.6509, 27.5288



32.2396, 42.6509, 46.6653

Complementary

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



45.2479, 42.6509, 72.1773



57.8728, 66.2364, 46.7823

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.



33.2442, 42.6509, 34.9395



45.2479, 42.6509, 72.1773



40.4598, 42.6509, 25.2534

Square

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



45.2479, 42.6509, 72.1773



48.7394, 42.6509, 34.6176



36.1676, 42.6509, 27.6881



33.3132, 42.6509, 60.6864

Rectangle

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



45.2479, 42.6509, 72.1773



50.0109, 42.6509, 50.7930



36.1676, 42.6509, 27.6881



32.3446, 42.6509, 42.3423

Sweetspot

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



45.2493, 42.6526, 72.1783



84.6794, 86.5895, 106.8581



51.1579, 58.0945, 74.8474



17.9423, 18.2985, 22.8363



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.



45.2493, 42.6526, 72.1783



58.7421, 53.5191, 101.8419



51.5150, 45.8828, 72.4715



12.6052, 12.7546, 16.4497



8.3863, 3.4475, 39.9618



0.6176, 0.2616, 2.5924

Inverse Universe

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



54.1799, 47.4174, 65.3301



73.9209, 61.6244, 89.8875



51.4714, 62.9364, 46.4828



13.4854, 13.2232, 15.8172



21.7134, 10.6864, 23.9344



1.4376, 0.7047, 1.7136

Previews

White Background



This preview shows how the XYZ color 45.2479, 42.6509, 72.1773 looks on a white background.

Color Contrast Check

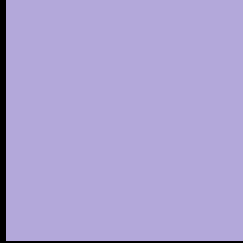
Large Text (above 18pt) WCAG AA × Fail

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 45.2479, 42.6509, 72.1773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

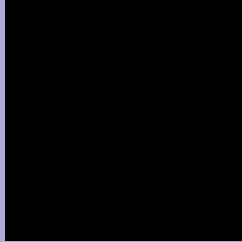
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2479, 42.6509, 72.1773

Background



This preview shows how black text looks on a background with the XYZ color 45.2479, 42.6509, 72.1773.



This preview shows how white text looks on a background with the XYZ color 45.2479, 42.6509,

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

45.2479, 42.6509, 72.1773

Protanopia

42.8950, 42.7890, 74.4049

Deuteranopia

43.6649, 42.6816, 71.5826



Tritanopia

41.5613, 42.8586, 53.0957

Trichromacy



Original Color

45.2479, 42.6509, 72.1773

Protanomaly

43.6296, 42.6180, 73.6367

Deuteranomaly

44.1327, 42.6434, 71.5506

Tritanomaly

42.8501, 42.8124, 59.4313

Monochromacy



Original Color

45.2479, 42.6509, 72.1773

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0106, 43.5429, 56.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2479, 42.6509, 72.1773 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(179, 168, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 168, 218)  
}
```

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(179, 168, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 168, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.2479, 42.6509, 72.1773 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(179, 168, 218) }
```


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

```
.border{ border-color:rgb(179, 168, 218) }
```

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

Here you see how a box with a 4 pixel rgb(179, 168, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 168, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 168, 218);  
box-shadow:4px 4px 4px 4px rgb(179, 168,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2479, 42.6509, 72.1773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 168, 218) }
```

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

```
.background{ background-color: rgb(179,  
168, 218) }
```

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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