

Converting Colors

XYZ(46.4799, 42.6130, 79.9926)

Have a look what the booklet for
XYZ(46.4799, 42.6130, 79.9926)
contains.

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Color

**XYZ(46.3695, 42.5133,
79.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A6E5
RGB	179, 166, 229
RGB Percent	70%, 65%, 90%
CMY	0.2980, 0.3490, 0.1020
CMYK	0.22, 0.28, 0.00, 0.10
HSL	252°, 55%, 77%
HSV	252°, 28%, 90%
XYZ	46.3695, 42.5133, 79.8907
YIQ	177.0690, -12.4750, 22.3490

Conversions

Conversions Part 2

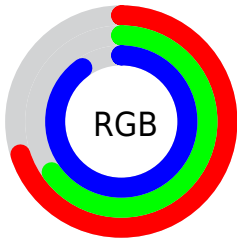
Format	Color
R_{YB}	179, 166, 229
Decimal	11773669
CIE Lab	71.22, 17.65, -30.00
CIE LCh	71, 34.809, 300.465
Yxy	42.5133, 0.2747, 0.2519
Android (android.graphics.Color)	4289963749 (0xFFB3A6E5)
YUV	177.0690, 25.6020, 1.6935
Hunter-Lab	65.2022, 12.8390, -27.0050

Details

The XYZ color **46.3695, 42.5133, 79.8907** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.2224, 73.3917, 46.9120**, and the grayscale version is **41.7018, 43.8736, 47.7783**.

A 20% lighter version of the original color is **78.1674, 76.5951, 105.2722**, and **22.0176, 19.4117, 42.1215** is the 20% darker color. If you saturate the color by 10%, you get **38.6443, 32.8924, 78.4416**, and if you desaturate by 10%, it is **55.3924, 53.9053, 81.6147**.

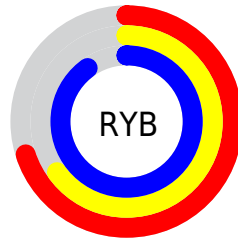
Distribution



Red (70%)

Green (65%)

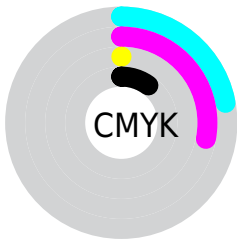
Blue (90%)



Red (70%)

Yellow (65%)

Blue (90%)

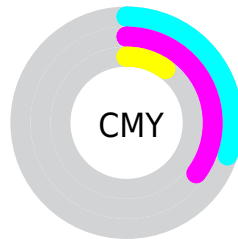


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (10%)



Cyan (30%)

Magenta (35%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3695, 42.5133, 79.8907 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 46.3695, 42.5133, 79.8907 by changing the saturation by 10% instead.

■ 46.3695, 42.5133,
79.8907

■ 46.3695, 42.5133,
79.8907

362.9833,
356.6064, 514.2615

■ 32.7434, 29.5034,
59.1028

■ 83.9962, 78.9759,
135.0221

■ 22.0882, 19.4620,
42.2753

■ 108.7275,
103.1974, 170.2026

■ 14.0387, 12.0046,
28.9897

137.8911,
131.9249, 211.0177

■ 8.2295, 6.7468,
18.8275

171.8526,
165.5428, 257.8860

■ 4.2952, 3.3043,
11.3702

210.9772,
204.4355, 311.2260

■ 1.8704, 1.2926,
6.1991

255.6303,

■ 0.5596, 0.1354,

248.9874, 371.4562

2.8958

306.1772,
299.5829, 438.9952

■ 0.0000, 0.0000,
1.0417

■ 0.0000, 0.0000,
0.0000

■ 46.3695, 42.5133,
79.8907

■ 46.3695, 42.5133,
79.8907

■ 38.6443, 32.8924,
78.4416

■ 55.3924, 53.9053,
81.6147

■ 32.1517, 24.9479,
77.2503

■ 65.7654, 67.1467,
83.6239

■ 26.8272, 18.5836,
76.3025

■ 77.5433, 82.3170,
85.9313

■ 22.5987, 13.6916,
75.5811

■ 89.9401, 97.8171,
88.2697

■ 19.3856, 10.1500,
75.0669

■ 91.1430, 98.4372,
88.3260

■ 17.0951, 7.8170,
74.7373

■ 15.6097, 6.5052,
74.5624

■ 15.3269, 6.2675,
74.5314

Harmonies

Analogous

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



40.4988, 42.5133, 86.4460



46.3695, 42.5133, 79.8907



50.9806, 42.5133, 64.0117

Triad

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



46.3695, 42.5133, 79.8907



46.1967, 42.5133, 23.5771



30.1914, 42.5133, 46.5513

Complementary

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



46.3695, 42.5133, 79.8907



63.2224, 73.3917, 46.9120

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.



31.4079, 42.5133, 32.1837



46.3695, 42.5133, 79.8907



40.3165, 42.5133, 21.0129

Square

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



46.3695, 42.5133, 79.8907



50.8742, 42.5133, 31.8302



34.9800, 42.5133, 23.7440



31.4851, 42.5133, 64.5746

Rectangle

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



46.3695, 42.5133, 79.8907



52.5176, 42.5133, 51.8209



34.9800, 42.5133, 23.7440



30.3189, 42.5133, 41.1669

Sweetspot

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



46.3709, 42.5150, 79.8917



83.1762, 84.7254, 106.5775



54.5285, 63.0823, 83.4316



17.3531, 17.5582, 22.7244



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.



46.3709, 42.5150, 79.8917



53.3763, 47.0077, 100.8679



54.3872, 46.6476, 80.2668



13.8593, 14.0297, 18.1219



8.8431, 3.6247, 42.6167



0.7293, 0.3070, 3.1528

Inverse Universe

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



58.3453, 48.8899, 71.3287



71.1538, 56.4809, 87.7608



54.8870, 69.0947, 46.5220



14.8610, 14.5616, 17.4685



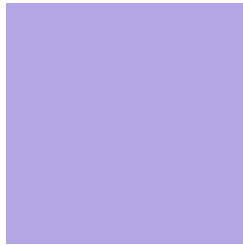
23.3326, 11.4673, 26.4444



1.7564, 0.8603, 2.1237

Previews

White Background



This preview shows how the XYZ color 46.3695, 42.5133, 79.8907 looks on a white background.

Color Contrast Check

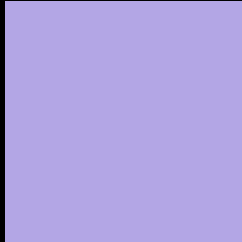
Large Text (above 18pt) WCAG AA × Fail

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 46.3695, 42.5133, 79.8907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

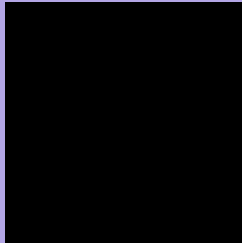
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3695, 42.5133, 79.8907

Background



This preview shows how black text looks on a background with the XYZ color 46.3695, 42.5133, 79.8907.



This preview shows how white text looks on a background with the XYZ color 46.3695, 42.5133,

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

46.3695, 42.5133, 79.8907

Protanopia

43.5084, 42.6137, 83.7740

Deuteranopia

43.4668, 42.4086, 79.2935



Tritanopia

41.0077, 42.5609, 53.6307

Trichromacy



Original Color

46.3695, 42.5133, 79.8907

Protanomaly

44.4573, 42.5750, 82.2186

Deuteranomaly

44.3400, 42.3022, 79.2270

Tritanomaly

42.7980, 42.4363, 62.4352

Monochromacy



Original Color

46.3695, 42.5133, 79.8907

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.2675, 43.3376, 58.3091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3695, 42.5133, 79.8907 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, 166, 229)` looks like.

```
.text, #text, p{  
    color:rgb(179, 166, 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(179, 166, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 166, 229) }
```

Border

The CSS property to change the border of an element to XYZ 46.3695, 42.5133, 79.8907 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, 166, 229) }
```


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

```
.border{ border-color:rgb(179, 166, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 166, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 166, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 166, 229);  
box-shadow:4px 4px 4px 4px rgb(179, 166,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3695, 42.5133, 79.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 166, 229) }
```

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

```
.background{ background-color: rgb(179,  
166, 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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