

Converting Colors

XYZ(46.1540, 41.2197, 70.8688)

Have a look what the booklet for
XYZ(46.1540, 41.2197, 70.8688)
contains.

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Color

**XYZ(46.2555, 41.3183,
71.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA1D9
RGB	189, 161, 217
RGB Percent	74%, 63%, 85%
CMY	0.2588, 0.3686, 0.1490
CMYK	0.13, 0.26, 0.00, 0.15
HSL	270°, 42%, 74%
HSV	270°, 26%, 85%
XYZ	46.2555, 41.3183, 71.1829
YIQ	175.7560, -1.2880, 23.3520

Conversions

Conversions Part 2

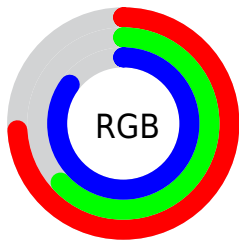
Format	Color
RYB	189, 161, 217
Decimal	12427737
CIELab	70.40, 20.88, -24.62
CIELCh	70, 32.282, 310.306
Yxy	41.3183, 0.2914, 0.2603
Android (android.graphics.Color)	4290617817 (0xFFBDA1D9)
YUV	175.7560, 20.3333, 11.6150
Hunter-Lab	64.2793, 15.9601, -20.6622

Details

The XYZ color **46.2555, 41.3183, 71.1829** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.2335, 63.0187, 43.1309**, and the grayscale version is **41.0389, 43.1762, 47.0188**.

A 20% lighter version of the original color is **80.6119, 75.9246, 105.0139**, and **21.9819, 18.6968, 36.6327** is the 20% darker color. If you saturate the color by 10%, you get **40.1961, 33.0461, 69.9062**, and if you desaturate by 10%, it is **53.1770, 51.0139, 72.6902**.

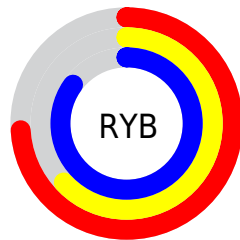
Distribution



Red (74%)

Green (63%)

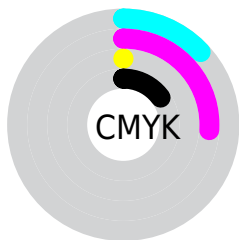
Blue (85%)



Red (74%)

Yellow (63%)

Blue (85%)

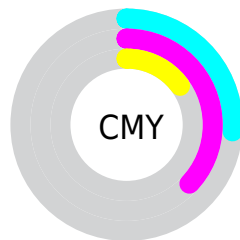


Cyan (13%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (26%)

Magenta (37%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2555, 41.3183, 71.1829 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 46.2555, 41.3183, 71.1829 by changing the saturation by 10% instead.

46.2555, 41.3183,
71.1829

46.2555, 41.3183,
71.1829

362.5336,
351.6492, 483.5934

32.6530, 28.5679,
52.0087

83.8268, 77.1668,
122.5910

22.0187, 18.7542,
36.6297

108.5262,
101.0338, 155.6620

13.9873, 11.4928,
24.6274

137.6553,
129.3750, 194.2024

8.1935, 6.3993,
15.5832

171.5795,
162.5749, 238.6306

4.2718, 3.0894,
9.0785

210.6641,
201.0178, 289.3653

1.8570, 1.1786,
4.6949

255.2744,

0.5517, 0.0441,

245.0883, 346.8250

2.0138

305.7758,
295.1706, 411.4282

■ 0.0000, 0.0000,
0.5638

■ 0.0000, 0.0000,
0.0000

■ 46.2555, 41.3183,
71.1829

■ 46.2555, 41.3183,
71.1829

■ 40.1961, 33.0461,
69.9062

■ 53.1770, 51.0139,
72.6902

■ 34.9565, 26.1219,
68.8459

■ 60.9924, 62.1929,
74.4360

■ 30.4964, 20.4710,
67.9902

■ 69.7366, 74.9183,
76.4314

■ 26.7701, 16.0091,
67.3254

■ 79.4415, 89.2477,
78.6858

■ 23.7267, 12.6412,
66.8357

■ 85.3341, 95.6296,
79.6070

■ 21.3072, 10.2572,
66.5031

■ 89.1954, 97.6202,
79.7877

■ 19.4398, 8.7215,
66.3051

■ 89.5245, 97.7898,
79.8031

■ 18.7696, 8.2293,
66.2454

Harmonies

Analogous

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



41.1274, 41.3183, 80.3370



46.2555, 41.3183, 71.1829



49.6933, 41.3183, 55.5827

Triad

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



46.2555, 41.3183, 71.1829



42.8150, 41.3183, 22.6874



30.0564, 41.3183, 50.4268

Complementary

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



46.2555, 41.3183, 71.1829



52.2335, 63.0187, 43.1309

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.



30.4198, 41.3183, 35.8342



46.2555, 41.3183, 71.1829



37.4729, 41.3183, 21.9114

Square

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



46.2555, 41.3183, 71.1829



47.5863, 41.3183, 28.5969



33.0290, 41.3183, 26.1667



31.9870, 41.3183, 66.6849

Rectangle

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



46.2555, 41.3183, 71.1829



50.3953, 41.3183, 44.8326



33.0290, 41.3183, 26.1667



29.9189, 41.3183, 45.1450

Sweetspot

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



46.2568, 41.3200, 71.1838



85.2303, 85.7844, 106.6737



45.6228, 49.3864, 72.7742



17.8684, 17.8239, 22.7485



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.



46.2568, 41.3200, 71.1838



61.7293, 52.7700, 101.5399



53.6090, 45.1102, 71.5279



12.9559, 12.9354, 16.4661



11.4840, 5.0444, 40.1068



0.8434, 0.3780, 2.6030

Inverse Universe

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



50.5468, 43.9173, 53.9586



69.0825, 57.2219, 72.0149



46.1340, 59.8743, 42.8455



13.3262, 13.1596, 14.9791



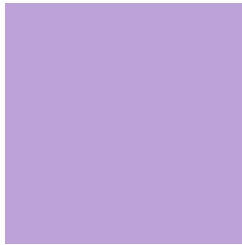
19.0303, 9.6132, 9.8056



1.2764, 0.6402, 0.8643

Previews

White Background



This preview shows how the XYZ color 46.2555, 41.3183, 71.1829 looks on a white background.

Color Contrast Check

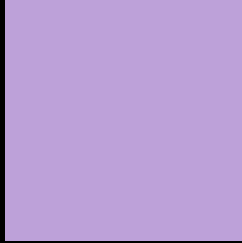
Large Text (above 18pt) WCAG AA × Fail

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 46.2555, 41.3183, 71.1829 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 46.2555, 41.3183, 71.1829

Background



This preview shows how black text looks on a background with the XYZ color 46.2555, 41.3183, 71.1829.



This preview shows how white text looks on a background with the XYZ color 46.2555, 41.3183,

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

46.2555, 41.3183, 71.1829

Protanopia

41.9298, 41.4004, 76.3021

Deuteranopia

42.3901, 41.4977, 70.0656



Tritanopia

41.8716, 41.4087, 49.5019

Trichromacy



Original Color

46.2555, 41.3183, 71.1829

Protanomaly

43.2320, 41.2929, 74.0984

Deuteranomaly

43.7101, 41.3443, 70.6422

Tritanomaly

43.2003, 41.1196, 56.6989

Monochromacy



Original Color

46.2555, 41.3183, 71.1829

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.0229, 42.7112, 55.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2555, 41.3183, 71.1829 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(189, 161, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 161, 217)  
}
```

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(189, 161, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 161, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.2555, 41.3183, 71.1829 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(189, 161, 217) }
```


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

```
.border{ border-color:rgb(189, 161, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 161, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 161, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 161, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 161,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2555, 41.3183, 71.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 161, 217) }
```

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

```
.background{ background-color: rgb(189,  
161, 217) }
```

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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