

Converting Colors

XYZ(47.5109, 44.1649, 70.9246)

Have a look what the booklet for
XYZ(47.5109, 44.1649, 70.9246)
contains.

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Color

**XYZ(47.5689, 44.1526,
70.9809)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA9D8
RGB	189, 169, 216
RGB Percent	74%, 66%, 85%
CMY	0.2588, 0.3372, 0.1529
CMYK	0.12, 0.22, 0.00, 0.15
HSL	266°, 38%, 75%
HSV	266°, 22%, 85%
XYZ	47.5689, 44.1526, 70.9809
YIQ	180.3380, -3.1670, 18.8570

Conversions

Conversions Part 2

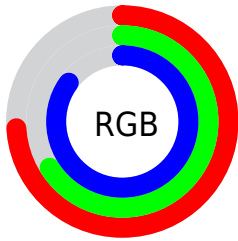
Format	Color
RYB	189, 169, 216
Decimal	12429784
CIELab	72.33, 16.24, -21.12
CIELCh	72, 26.645, 307.558
Yxy	44.1526, 0.2924, 0.2714
Android (android.graphics.Color)	4290619864 (0xFFBDA9D8)
YUV	180.3380, 17.5814, 7.5966
Hunter-Lab	66.4474, 11.5030, -16.8220

Details

The XYZ color **47.5689, 44.1526, 70.9809** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.4837, 63.7132, 46.9644**, and the grayscale version is **43.4748, 45.7389, 49.8097**.

A 20% lighter version of the original color is **82.7117, 80.1241, 105.7139**, and **22.7860, 20.4467, 36.4639** is the 20% darker color. If you saturate the color by 10%, you get **40.9303, 35.2506, 69.6132**, and if you desaturate by 10%, it is **55.1374, 54.5216, 72.5841**.

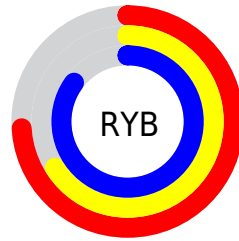
Distribution



Red (74%)

Green (66%)

Blue (85%)



Red (74%)

Yellow (66%)

Blue (85%)

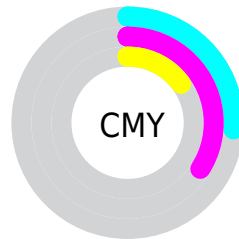


Cyan (12%)

Magenta (22%)

Yellow (0%)

Black (15%)



Cyan (26%)


Magenta (34%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5689, 44.1526, 70.9809 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 47.5689, 44.1526, 70.9809 by changing the saturation by 10% instead.


 47.5689, 44.1526,
70.9809

 47.5689, 44.1526,
70.9809

367.6919,
363.3306, 482.8685

 33.6954, 30.7905,
51.8449


 85.7758, 81.4473,
122.3007

 22.8215, 20.4394,
36.5001


 110.8399,
106.1487, 155.3216

 14.5817, 12.7148,
24.5279


140.3650,
135.3987, 193.8079

 8.6108, 7.2325,
15.5099

174.7164,
169.5816, 238.1780

 4.5432, 3.6079,
9.0274

214.2594,
209.0818, 288.8506

 2.0138, 1.4567,
4.6620

259.3594,

 0.6417, 0.2580,

254.2838, 346.2442

1.9951

310.3818,
305.5720, 410.7773

■ 0.0000, 0.0000,
0.5523

■ 0.0000, 0.0000,
0.0000

■ 47.5689, 44.1526,
70.9809

■ 47.5689, 44.1526,
70.9809

■ 40.9303, 35.2506,
69.6132

■ 55.1374, 54.5216,
72.5841

■ 35.1785, 27.7416,
68.4670

■ 63.6684, 66.4161,
74.4304

■ 30.2725, 21.5533,
67.5311

■ 73.1978, 79.8980,
76.5304

■ 26.1665, 16.6045,
66.7923

■ 83.6292, 94.7657,
78.8503

■ 22.8098, 12.8045,
66.2358

■ 87.9553, 96.9958,
79.0528

■ 20.1446, 10.0499,
65.8445

■ 89.3948, 97.7379,
79.1201

■ 18.1032, 8.2171,
65.5984

■ 16.7996, 7.2287,
65.4763

Harmonies

Analogous

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



43.1353, 44.1526, 77.6783



47.5689, 44.1526, 70.9809



50.6474, 44.1526, 58.3651

Triad

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



47.5689, 44.1526, 70.9809



45.4199, 44.1526, 28.3203



33.8234, 44.1526, 51.4707

Complementary

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



47.5689, 44.1526, 70.9809



54.4837, 63.7132, 46.9644

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.



34.3376, 44.1526, 39.0710



47.5689, 44.1526, 70.9809



40.8174, 44.1526, 27.1480

Square

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



47.5689, 44.1526, 70.9809



49.3450, 44.1526, 34.2752



36.8208, 44.1526, 30.7173



35.3614, 44.1526, 65.1550

Rectangle

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



47.5689, 44.1526, 70.9809



51.3984, 44.1526, 49.1578



36.8208, 44.1526, 30.7173



33.7640, 44.1526, 47.0076

Sweetspot

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



47.5703, 44.1544, 70.9819



85.9451, 87.2420, 106.9173



48.5924, 53.0625, 72.6474



18.2349, 18.4493, 22.8499



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.



47.5703, 44.1544, 70.9819



64.7721, 58.2244, 102.4323



53.7593, 47.3450, 71.2715



12.2386, 12.2644, 15.6597



10.0613, 4.3393, 38.7604



0.7004, 0.3099, 2.3422

Inverse Universe

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



52.4721, 46.9622, 58.5255



73.2091, 63.0606, 80.8334



48.9339, 60.8522, 46.7047



12.7193, 12.5392, 14.4619



18.9737, 9.5258, 12.4313



1.1854, 0.5910, 0.9659

Previews

White Background



This preview shows how the XYZ color 47.5689, 44.1526, 70.9809 looks on a white background.

Color Contrast Check

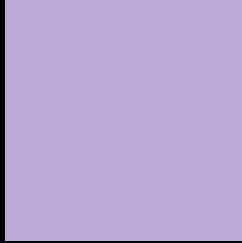
Large Text (above 18pt) WCAG AA × Fail

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 47.5689, 44.1526, 70.9809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

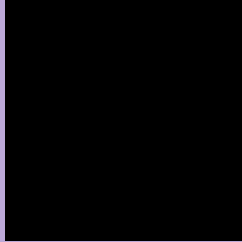
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5689, 44.1526, 70.9809

Background



This preview shows how black text looks on a background with the XYZ color 47.5689, 44.1526, 70.9809.



This preview shows how white text looks on a background with the XYZ color 47.5689, 44.1526,

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

47.5689, 44.1526, 70.9809

Protanopia

44.5128, 44.4866, 74.6473

Deuteranopia

45.3063, 44.4085, 70.4738



Tritanopia

43.9803, 44.0933, 53.7698

Trichromacy



Original Color

47.5689, 44.1526, 70.9809

Protanomaly

45.4089, 44.1156, 73.1397

Deuteranomaly

46.0743, 44.2351, 70.3998

Tritanomaly

45.1953, 44.0214, 59.5410

Monochromacy



Original Color

47.5689, 44.1526, 70.9809

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.6794, 44.9682, 56.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5689, 44.1526, 70.9809 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, 169, 216)` looks like.

```
.text, #text, p{  
    color:rgb(189, 169, 216)  
}
```

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, 169, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 169, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.5689, 44.1526, 70.9809 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, 169, 216) }
```


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

```
.border{ border-color:rgb(189, 169, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 169, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 169, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 169, 216);  
box-shadow:4px 4px 4px 4px rgb(189, 169,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5689, 44.1526, 70.9809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 169, 216) }
```

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

```
.background{ background-color: rgb(189,  
169, 216) }
```

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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