

Converting Colors

XYZ(47.3556, 44.3413, 76.4210)

Have a look what the booklet for
XYZ(47.3556, 44.3413, 76.4210)
contains.

XYZ(47.5459, 44.5749, 76.6189)	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(47.5459, 44.5749,
76.6189)**

Conversions

Conversions Part 1

Format	Color
Hex	B7ABE0
RGB	183, 171, 224
RGB Percent	72%, 67%, 88%
CMY	0.2823, 0.3294, 0.1216
CMYK	0.18, 0.24, 0.00, 0.12
HSL	254°, 46%, 77%
HSV	254°, 24%, 88%
XYZ	47.5459, 44.5749, 76.6189
YIQ	180.6300, -9.8610, 19.0270

Conversions

Conversions Part 2

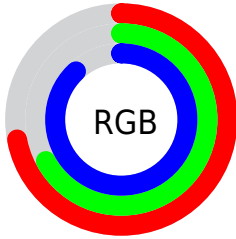
Format	Color
R _Y B	183, 171, 224
Decimal	12037088
CIE Lab	72.61, 14.97, -25.11
CIE LCh	73, 29.236, 300.796
Yxy	44.5749, 0.2818, 0.2642
Android (android.graphics.Color)	4290227168 (0xFFB7ABE0)
YUV	180.6300, 21.3814, 2.0785
Hunter-Lab	66.7644, 10.2800, -21.3061

Details

The XYZ color **47.5459, 44.5749, 76.6189** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.1591, 70.2497, 48.8661**, and the grayscale version is **43.6146, 45.8860, 49.9699**.

A 20% lighter version of the original color is **80.8430, 79.9634, 105.7813**, and **22.8115, 20.7254, 40.3342** is the 20% darker color. If you saturate the color by 10%, you get **39.7971, 34.8234, 75.1458**, and if you desaturate by 10%, it is **56.5220, 56.0257, 78.3568**.

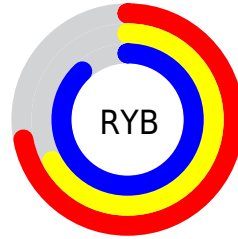
Distribution



Red (72%)

Green (67%)

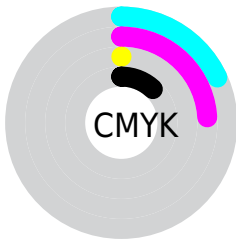
Blue (88%)



Red (72%)

Yellow (67%)

Blue (88%)

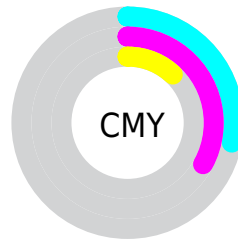


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5459, 44.5749, 76.6189 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 47.5459, 44.5749, 76.6189 by changing the saturation by 10% instead.

■ 47.5459, 44.5749,
76.6189

■ 47.5459, 44.5749,
76.6189

367.6020,
365.0492, 502.8668

■ 33.6772, 31.1227,
56.4305

■ 85.7417, 82.0821,
130.3695

■ 22.8074, 20.6923,
40.1418

110.7995,
106.9060, 164.7687

■ 14.5713, 12.8993,
27.3345

140.3177,
136.2892, 204.7419

■ 8.6034, 7.3592,
17.5900

174.6616,
170.6161, 250.7076

■ 4.5384, 3.6878,
10.4896

214.1966,
210.2712, 303.0844

■ 2.0110, 1.5005,
5.6150

259.2881,

■ 0.6401, 0.2891,

255.6388, 362.2909

2.5474

310.3015,
307.1033, 428.7455

■ 0.0000, 0.0000,
0.8651

■ 0.0000, 0.0000,
0.0000

■ 47.5459, 44.5749,
76.6189

■ 47.5459, 44.5749,
76.6189

■ 39.7971, 34.8234,
75.1458

■ 56.5220, 56.0257,
78.3568

■ 33.2168, 26.6838,
73.9215

■ 66.7722, 69.2463,
80.3684

■ 27.7478, 20.0696,
72.9331

■ 78.3459, 84.3101,
82.6660

■ 23.3260, 14.8834,
72.1651

■ 89.4746, 97.6566,
84.6555

■ 19.8805, 11.0164,
71.6003

■ 90.4547, 98.1619,
84.7014

■ 17.3309, 8.3440,
71.2189

■ 15.5824, 6.7159,
70.9968

■ 14.8055, 6.0783,
70.9146

Harmonies

Analogous

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



42.5023, 44.5749, 82.0660



47.5459, 44.5749, 76.6189



51.4395, 44.5749, 63.4386

Triad

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



47.5459, 44.5749, 76.6189



47.2937, 44.5749, 28.0495



33.3646, 44.5749, 48.9224

Complementary

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



47.5459, 44.5749, 76.6189



61.1591, 70.2497, 48.8661

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.



34.4296, 44.5749, 36.1692



47.5459, 44.5749, 76.6189



42.2322, 44.5749, 25.6649

Square

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



47.5459, 44.5749, 76.6189



51.2859, 44.5749, 35.6211



37.5787, 44.5749, 28.3188



34.5473, 44.5749, 64.2431

Rectangle

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



47.5459, 44.5749, 76.6189



52.7148, 44.5749, 53.1292



37.5787, 44.5749, 28.3188



33.4707, 44.5749, 44.2126

Sweetspot

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



47.5473, 44.5767, 76.6199



84.7186, 86.6097, 106.8599



53.9234, 61.3868, 79.5285



17.9514, 18.3032, 22.8367



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.



47.5473, 44.5767, 76.6199



58.8642, 53.5820, 101.8476



54.3086, 48.0623, 76.9363



13.2409, 13.3922, 17.2748



8.7002, 3.5804, 41.2809



0.6804, 0.2881, 2.8650

Inverse Universe

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



57.1884, 49.7283, 68.8734



73.8531, 61.5973, 89.5307



54.2615, 66.6939, 48.5433



14.1553, 13.8797, 16.5879



22.3453, 11.0051, 24.2819



1.5818, 0.7760, 1.8565

Previews

White Background



This preview shows how the XYZ color 47.5459, 44.5749, 76.6189 looks on a white background.

Color Contrast Check

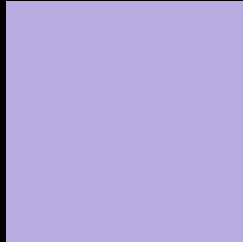
Large Text (above 18pt) WCAG AA × Fail

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 47.5459, 44.5749, 76.6189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

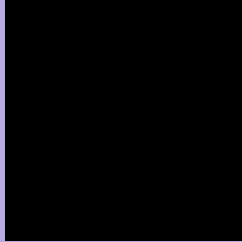
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5459, 44.5749, 76.6189

Background



This preview shows how black text looks on a background with the XYZ color 47.5459, 44.5749, 76.6189.



This preview shows how white text looks on a background with the XYZ color 47.5459, 44.5749,

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

47.5459, 44.5749, 76.6189

Protanopia

45.0460, 44.6514, 79.6432

Deuteranopia

45.6625, 44.7583, 76.0446



Tritanopia

43.2576, 44.5530, 55.6099

Trichromacy



Original Color

47.5459, 44.5749, 76.6189

Protanomaly

46.0144, 44.5888, 78.8543

Deuteranomaly

46.3598, 44.8299, 76.0217

Tritanomaly

44.6999, 44.5554, 62.7440

Monochromacy



Original Color

47.5459, 44.5749, 76.6189

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.0916, 45.4206, 59.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5459, 44.5749, 76.6189 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(183, 171, 224)` looks like.

```
.text, #text, p{  
    color:rgb(183, 171, 224)  
}
```

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(183, 171, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 171, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.5459, 44.5749, 76.6189 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(183, 171, 224) }
```


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

```
.border{ border-color:rgb(183, 171, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 171, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 171, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 171, 224);  
box-shadow:4px 4px 4px 4px rgb(183, 171,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5459, 44.5749, 76.6189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 171, 224) }
```

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

```
.background{ background-color: rgb(183,  
171, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor