

Converting Colors

XYZ(47.3691, 44.8109, 78.6322)

Have a look what the booklet for
XYZ(47.3691, 44.8109, 78.6322)
contains.

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Color

**XYZ(47.4400, 44.7544,
78.8111)**

Conversions

Conversions Part 1

Format	Color
Hex	B4ACE3
RGB	180, 172, 227
RGB Percent	71%, 67%, 89%
CMY	0.2941, 0.3255, 0.1098
CMYK	0.21, 0.24, 0.00, 0.11
HSL	249°, 50%, 78%
HSV	249°, 24%, 89%
XYZ	47.4400, 44.7544, 78.8111
YIQ	180.6620, -12.8870, 18.8010

Conversions

Conversions Part 2

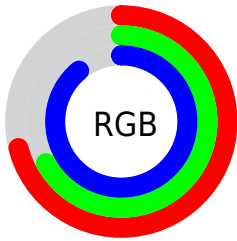
Format	Color
R_{YB}	180, 172, 227
Decimal	11840739
CIE _{Lab}	72.73, 14.16, -26.59
CIE _{LCh}	73, 30.126, 298.039
Yxy	44.7544, 0.2774, 0.2617
Android (android.graphics.Color)	4290030819 (0xFFB4ACE3)
YUV	180.6620, 22.8446, -0.5806
Hunter-Lab	66.8987, 9.5072, -23.0184

Details

The XYZ color **47.4400, 44.7544, 78.8111** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.1303, 72.9779, 49.7378**, and the grayscale version is **43.6254, 45.8973, 49.9822**.

A 20% lighter version of the original color is **80.1112, 79.9910, 105.8252**, and **22.6713, 20.8088, 41.3497** is the 20% darker color. If you saturate the color by 10%, you get **39.2790, 34.6732, 77.2961**, and if you desaturate by 10%, it is **56.9739, 56.6409, 80.6037**.

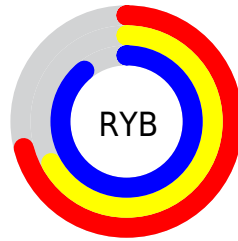
Distribution



Red (71%)

Green (67%)

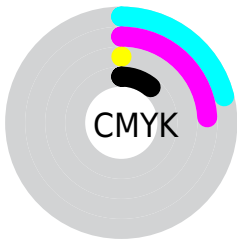
Blue (89%)



Red (71%)

Yellow (67%)

Blue (89%)

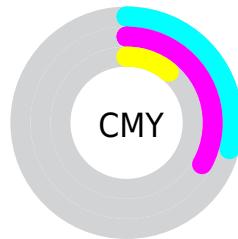


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4400, 44.7544, 78.8111 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 47.4400, 44.7544, 78.8111 by changing the saturation by 10% instead.

■ 47.4400, 44.7544,
78.8111

■ 47.4400, 44.7544,
78.8111

367.1877,
365.7780, 510.5178

■ 33.5930, 31.2640,
58.2201

■ 85.5848, 82.3517,
133.4891

■ 22.7425, 20.8000,
41.5698

110.6133,
107.2275, 168.4133

■ 14.5232, 12.9779,
28.4415

140.0997,
136.6672, 208.9522

■ 8.5695, 7.4133,
18.4168

174.4094,
171.0551, 255.5245

■ 4.5163, 3.7219,
11.0771

213.9077,
210.7758, 308.5487

■ 1.9982, 1.5192,
6.0039

258.9599,

■ 0.6329, 0.3022,

256.2136, 368.4432

2.7786

309.9315,
307.7528, 435.6268

■ 0.0000, 0.0000,
0.9827

■ 0.0000, 0.0000,
0.0000

■ 47.4400, 44.7544,
78.8111

■ 47.4400, 44.7544,
78.8111

■ 39.2790, 34.6732,
77.2961

■ 56.9739, 56.6409,
80.6037

■ 32.4229, 26.3034,
76.0419

■ 67.9356, 70.4094,
82.6835

■ 26.8045, 19.5508,
75.0347

■ 80.3826, 86.1392,
85.0636

■ 22.3486, 14.3099,
74.2579

■ 90.8653, 98.3261,
86.8635

■ 18.9718, 10.4626,
73.6933

■ 16.5793, 7.8729,
73.3195

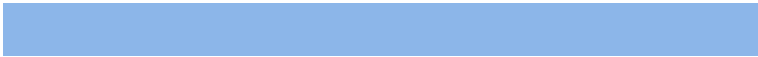
■ 15.0583, 6.3768,
73.1109

■ 14.4929, 5.8697,
73.0428

Harmonies

Analogous

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



42.1947, 44.7544, 83.5348



47.4400, 44.7544, 78.8111



51.6485, 44.7544, 65.6122

Triad

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



47.4400, 44.7544, 78.8111



48.0835, 44.7544, 28.1592



33.2618, 44.7544, 47.7516

Complementary

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



47.4400, 44.7544, 78.8111



64.1303, 72.9779, 49.7378

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.



34.5668, 44.7544, 35.0246



47.4400, 44.7544, 78.8111



42.8826, 44.7544, 25.2497

Square

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



47.4400, 44.7544, 78.8111



52.0409, 44.7544, 36.4114



37.9853, 44.7544, 27.4814



34.2681, 44.7544, 63.5538

Rectangle

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



47.4400, 44.7544, 78.8111



53.1486, 44.7544, 54.9428



37.9853, 44.7544, 27.4814



33.4423, 44.7544, 43.0040

Sweetspot

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



47.4414, 44.7562, 78.8121



84.2266, 86.3561, 106.8369



56.3855, 65.3295, 82.3118



17.8378, 18.2446, 22.8314



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.



47.4414, 44.7562, 78.8121



56.2729, 51.4691, 101.5764



54.3047, 48.2943, 79.1333



13.7769, 13.9872, 18.1180



8.5112, 3.4536, 42.6012



0.6904, 0.2869, 3.1510

Inverse Universe

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



59.2186, 50.9522, 73.7332



74.1405, 60.8746, 93.6257



56.6973, 69.1460, 49.3899



14.9003, 14.5773, 17.6751



24.1869, 11.8090, 30.9429



1.8121, 0.8825, 2.4168

Previews

White Background



This preview shows how the XYZ color 47.4400, 44.7544, 78.8111 looks on a white background.

Color Contrast Check

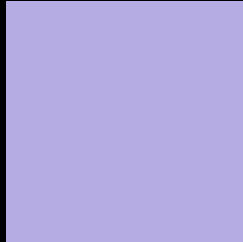
Large Text (above 18pt) WCAG AA × Fail

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 47.4400, 44.7544, 78.8111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

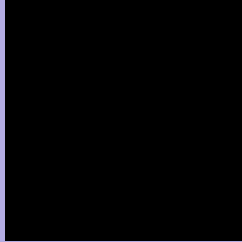
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4400, 44.7544, 78.8111

Background



This preview shows how black text looks on a background with the XYZ color 47.4400, 44.7544, 78.8111.



This preview shows how white text looks on a background with the XYZ color 47.4400, 44.7544,

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

47.4400, 44.7544, 78.8111

Protanopia

45.1181, 44.6564, 81.1045

Deuteranopia

45.8520, 44.8089, 78.1838



Tritanopia

42.8904, 44.6452, 56.2260

Trichromacy



Original Color

47.4400, 44.7544, 78.8111

Protanomaly

46.0504, 44.8631, 80.3611

Deuteranomaly

46.3191, 44.7618, 78.1501

Tritanomaly

44.4493, 44.6886, 64.0406

Monochromacy



Original Color

47.4400, 44.7544, 78.8111

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.1695, 45.7418, 59.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4400, 44.7544, 78.8111 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(180, 172, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 227)  
}
```

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(180, 172, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.4400, 44.7544, 78.8111 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(180, 172, 227) }
```


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

```
.border{ border-color:rgb(180, 172, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4400, 44.7544, 78.8111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 227) }
```

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

```
.background{ background-color: rgb(180,  
172, 227) }
```

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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