

Converting Colors

XYZ(48.5466, 44.4868, 78.7012)

Have a look what the booklet for
XYZ(48.5466, 44.4868, 78.7012)
contains.

XYZ(48.5466, 44.4868, 78.7012)	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(48.5466, 44.4868,
78.7012)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA9E3
RGB	187, 169, 227
RGB Percent	73%, 66%, 89%
CMY	0.2667, 0.3372, 0.1098
CMYK	0.18, 0.26, 0.00, 0.11
HSL	259°, 51%, 78%
HSV	259°, 26%, 89%
XYZ	48.5466, 44.4868, 78.7012
YIQ	180.9940, -7.8900, 21.8540

Conversions

Conversions Part 2

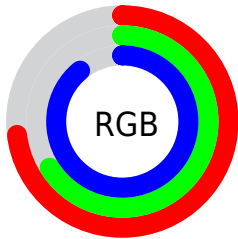
Format	Color
RYB	187, 169, 227
Decimal	12298723
CIELab	72.55, 17.99, -26.81
CIELCh	73, 32.285, 303.854
Yxy	44.4868, 0.2827, 0.2590
Android (android.graphics.Color)	4290488803 (0xFFBBA9E3)
YUV	180.9940, 22.6810, 5.2673
Hunter-Lab	66.6984, 13.1994, -23.2707

Details

The XYZ color **48.5466, 44.4868, 78.7012** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.9265, 71.3592, 48.1007**, and the grayscale version is **43.8033, 46.0845, 50.1860**.

A 20% lighter version of the original color is **82.0139, 79.7644, 105.6812**, and **23.3848, 20.6494, 41.2813** is the 20% darker color. If you saturate the color by 10%, you get **41.0613, 34.8946, 77.2450**, and if you desaturate by 10%, it is **57.1855, 55.7641, 80.4233**.

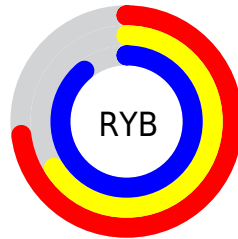
Distribution



Red (73%)

Green (66%)

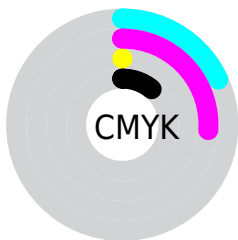
Blue (89%)



Red (73%)

Yellow (66%)

Blue (89%)

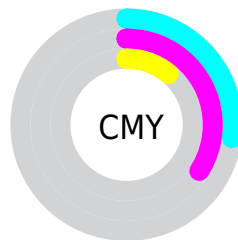


Cyan (18%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5466, 44.4868, 78.7012 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 48.5466, 44.4868, 78.7012 by changing the saturation by 10% instead.

■ 48.5466, 44.4868,
78.7012

■ 48.5466, 44.4868,
78.7012

371.5013,
364.6911, 510.1358

■ 34.4730, 31.0534,
58.1303

■ 87.2225, 81.9498,
133.3330

■ 23.4218, 20.6395,
41.4980

■ 112.5554,
106.7481, 168.2309

■ 15.0277, 12.8608,
28.3858

142.3722,
136.1035, 208.7417

■ 8.9253, 7.3327,
18.3751

177.0382,
170.4005, 255.2837

■ 4.7492, 3.6710,
11.0474

216.9188,
210.0233, 308.2756

■ 2.1341, 1.4913,
5.9842

262.3792,

■ 0.7077, 0.2826,

255.3564, 368.1359

2.7668

313.7850,
306.7842, 435.2831

■ 0.0000, 0.0000,
0.9768

■ 0.0000, 0.0000,
0.0000

■ 48.5466, 44.4868,
78.7012

■ 48.5466, 44.4868,
78.7012

■ 41.0613, 34.8946,
77.2450

■ 57.1855, 55.7641,
80.4233

■ 34.6739, 26.8994,
76.0384

■ 67.0215, 68.7979,
82.4207

■ 29.3308, 20.4133,
75.0681

■ 78.1012, 83.6621,
84.7058

■ 24.9713, 15.3373,
74.3181

■ 88.9152, 97.3208,
86.7723

■ 21.5283, 11.5603,
73.7705

■ 90.8653, 98.3261,
86.8635

■ 18.9248, 8.9537,
73.4046

■ 17.0689, 7.3604,
73.1949

■ 16.4233, 6.8648,
73.1332

Harmonies

Analogous

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



43.0086, 44.4868, 86.0211



48.5466, 44.4868, 78.7012



52.6648, 44.4868, 63.2805

Triad

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



48.5466, 44.4868, 78.7012



47.1899, 44.4868, 25.7591



32.4561, 44.4868, 50.5333

Complementary

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



48.5466, 44.4868, 78.7012



60.9265, 71.3592, 48.1007

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.



33.3646, 44.4868, 36.1202



48.5466, 44.4868, 78.7012



41.5663, 44.4868, 23.7931

Square

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



48.5466, 44.4868, 78.7012



51.8344, 44.4868, 33.2577



36.5834, 44.4868, 27.1387



33.9841, 44.4868, 67.6524

Rectangle

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



48.5466, 44.4868, 78.7012



53.8735, 44.4868, 51.8036



36.5834, 44.4868, 27.1387



32.4875, 44.4868, 45.2225

Sweetspot

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



48.5480, 44.4886, 78.7022



83.8959, 85.0964, 106.6112



53.1768, 59.8784, 81.4288



17.5333, 17.6511, 22.7329



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.



48.5480, 44.4886, 78.7022



57.5137, 50.5968, 101.3426



56.1964, 48.4315, 79.0601



14.0015, 14.1030, 18.1285



9.6834, 4.0579, 42.6560



0.8083, 0.3477, 3.1565

Inverse Universe

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



57.3766, 49.3121, 66.8176



71.1044, 58.0306, 82.6618



53.5944, 67.5793, 47.7575



14.7947, 14.5351, 17.1193



22.0569, 10.9570, 19.7262



1.6712, 0.8262, 1.6750

Previews

White Background



This preview shows how the XYZ color 48.5466, 44.4868, 78.7012 looks on a white background.

Color Contrast Check

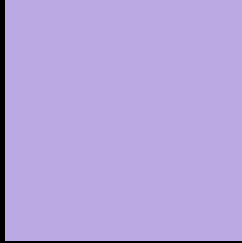
Large Text (above 18pt) WCAG AA × Fail

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 48.5466, 44.4868, 78.7012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

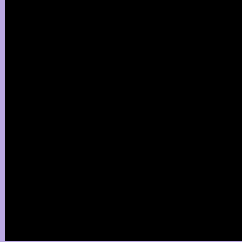
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5466, 44.4868, 78.7012

Background



This preview shows how black text looks on a background with the XYZ color 48.5466, 44.4868, 78.7012.



This preview shows how white text looks on a background with the XYZ color 48.5466, 44.4868,

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

48.5466, 44.4868, 78.7012

Protanopia

45.1951, 44.6634, 82.5828

Deuteranopia

45.6350, 44.6970, 78.1737



Tritanopia

43.8757, 44.5921, 55.0098

Trichromacy



Original Color

48.5466, 44.4868, 78.7012

Protanomaly

46.2398, 44.3710, 80.9903

Deuteranomaly

46.5755, 44.6082, 78.1070

Tritanomaly

45.2515, 44.2662, 62.6591

Monochromacy



Original Color

48.5466, 44.4868, 78.7012

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.4436, 45.5888, 59.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5466, 44.4868, 78.7012 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(187, 169, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 169, 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(187, 169, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 169, 227) }
```

Border

The CSS property to change the border of an element to XYZ 48.5466, 44.4868, 78.7012 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(187, 169, 227) }
```


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

```
.border{ border-color:rgb(187, 169, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 169, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 169, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 169, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 169,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5466, 44.4868, 78.7012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 169, 227) }
```

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

```
.background{ background-color: rgb(187,  
169, 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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