

Converting Colors

XYZ(52.2823, 46.9246, 79.1439)

Have a look what the booklet for
XYZ(52.2823, 46.9246, 79.1439)
contains.

XYZ(52.2475, 46.9512, 78.9818)	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(52.2475, 46.9512,
78.9818)**

Conversions

Conversions Part 1

Format	Color
Hex	C8ABE3
RGB	200, 171, 227
RGB Percent	78%, 67%, 89%
CMY	0.2157, 0.3294, 0.1098
CMYK	0.12, 0.25, 0.00, 0.11
HSL	271°, 50%, 78%
HSV	271°, 25%, 89%
XYZ	52.2475, 46.9512, 78.9818
YIQ	186.0550, -0.6920, 23.5640

Conversions

Conversions Part 2

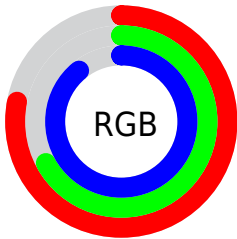
Format	Color
R_{YB}	200, 171, 227
Decimal	13151203
CIE _{Lab}	74.16, 20.97, -24.26
CIE _{LCh}	74, 32.065, 310.847
Yxy	46.9512, 0.2932, 0.2635
Android (android.graphics.Color)	4291341283 (0xFFC8ABE3)
YUV	186.0550, 20.1859, 12.2298
Hunter-Lab	68.5209, 16.1953, -20.3769

Details

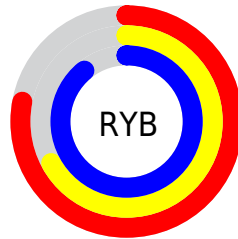
The XYZ color **52.2475, 46.9512, 78.9818** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.1099, 69.8853, 48.9566**, and the grayscale version is **46.5950, 49.0216, 53.3845**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **25.8016, 22.2449, 41.4619** is the 20% darker color. If you saturate the color by 10%, you get **45.5035, 37.6476, 77.5422**, and if you desaturate by 10%, it is **59.9401, 57.8392, 80.6787**.

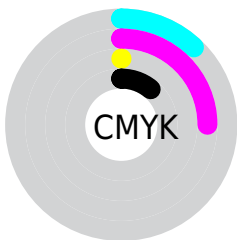
Distribution



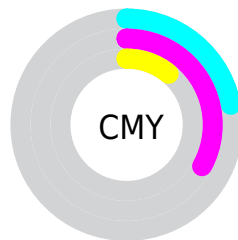
- Red (78%)
- Green (67%)
- Blue (89%)



- Red (78%)
- Yellow (67%)
- Blue (89%)



- Cyan (12%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2475, 46.9512, 78.9818 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 52.2475, 46.9512, 78.9818 by changing the saturation by 10% instead.

■ 52.2475, 46.9512,
78.9818

■ 52.2475, 46.9512,
78.9818

385.6996,
374.6197, 511.1108

■ 37.4275, 32.9971,
58.3596

■ 92.6682, 85.6408,
133.7317

■ 25.7138, 22.1242,
41.6812

118.9996,
111.1450, 168.6964

■ 16.7412, 13.9482,
28.5281

149.8988,
141.2681, 209.2792

■ 10.1443, 8.0846,
18.4816

185.7312,
176.3944, 255.8983

■ 5.5578, 4.1492,
11.1233

226.8621,
216.9083, 308.9726

■ 2.6162, 1.7573,
6.0346

273.6569,

■ 0.9542, 0.4604,

263.1942, 368.9203

2.7970

326.4810,
315.6366, 436.1602

■ 0.0000, 0.0000,
0.9919

■ 0.0000, 0.0000,
0.0000

■ 52.2475, 46.9512,
78.9818

■ 52.2475, 46.9512,
78.9818

■ 45.5035, 37.6476,
77.5422

■ 59.9401, 57.8392,
80.6787

■ 39.6616, 29.8450,
76.3441

■ 68.6159, 70.3778,
82.6416

■ 34.6778, 23.4613,
75.3745

■ 78.3133, 84.6364,
84.8827

■ 30.5024, 18.4035,
74.6184

■ 86.8577, 96.2601,
86.6760

■ 27.0796, 14.5675,
74.0583

■ 90.7646, 98.2742,
86.8588

■ 24.3453, 11.8324,
73.6745

■ 90.8653, 98.3261,
86.8635

■ 22.2221, 10.0513,
73.4426

■ 21.2759, 9.3665,
73.3603

Harmonies

Analogous

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



46.7370, 46.9512, 88.9127



52.2475, 46.9512, 78.9818



55.8952, 46.9512, 62.2196

Triad

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



52.2475, 46.9512, 78.9818



48.3489, 46.9512, 26.6820



34.6321, 46.9512, 57.3097

Complementary

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



52.2475, 46.9512, 78.9818



58.1099, 69.8853, 48.9566

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.



34.9829, 46.9512, 41.4290



52.2475, 46.9512, 78.9818



42.5790, 46.9512, 25.9206

Square

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



52.2475, 46.9512, 78.9818



53.5143, 46.9512, 33.0964



37.7837, 46.9512, 30.7305



36.7803, 46.9512, 74.7305

Rectangle

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



52.2475, 46.9512, 78.9818



56.6073, 46.9512, 50.6555



37.7837, 46.9512, 30.7305



34.4667, 46.9512, 51.5911

Sweetspot

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



52.2490, 46.9532, 78.9828



86.5219, 87.5394, 106.9443



50.8707, 54.6244, 80.5362



18.3685, 18.5182, 22.8562



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.



52.2490, 46.9532, 78.9828



63.0181, 54.1834, 101.7448



59.9793, 50.9531, 78.6739



14.2912, 14.2524, 18.1421



12.5436, 5.5323, 42.7899



1.0341, 0.4641, 3.1670

Inverse Universe

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



56.4359, 49.5358, 60.0147



69.5753, 58.2262, 72.1209



51.7052, 66.5733, 49.1230



14.6650, 14.4832, 16.4364



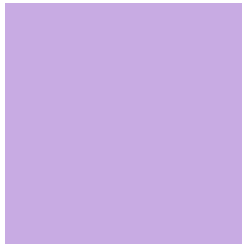
20.1573, 10.1971, 9.7233



1.5363, 0.7722, 0.9647

Previews

White Background



This preview shows how the XYZ color 52.2475, 46.9512, 78.9818 looks on a white background.

Color Contrast Check

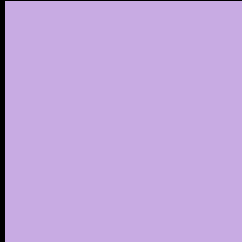
Large Text (above 18pt) WCAG AA × Fail

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 52.2475, 46.9512, 78.9818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

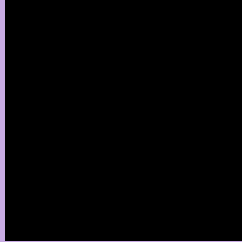
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2475, 46.9512, 78.9818

Background



This preview shows how black text looks on a background with the XYZ color 52.2475, 46.9512, 78.9818.



This preview shows how white text looks on a background with the XYZ color 52.2475, 46.9512,

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

52.2475, 46.9512, 78.9818

Protanopia

47.5347, 47.0180, 84.4119

Deuteranopia

48.0708, 47.1414, 77.7998



Tritanopia

47.5725, 47.0717, 55.8686

Trichromacy



Original Color

52.2475, 46.9512, 78.9818

Protanomaly

48.9683, 46.9171, 82.0763

Deuteranomaly

49.5025, 46.9808, 78.4106

Tritanomaly

48.9940, 46.7553, 63.5692

Monochromacy



Original Color

52.2475, 46.9512, 78.9818

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.5523, 48.3412, 62.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2475, 46.9512, 78.9818 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(200, 171, 227)` looks like.

```
.text, #text, p{  
    color:rgb(200, 171, 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(200, 171, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 171, 227) }
```

Border

The CSS property to change the border of an element to XYZ 52.2475, 46.9512, 78.9818 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(200, 171, 227) }
```


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

```
.border{ border-color:rgb(200, 171, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 171, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 171, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 171, 227);  
box-shadow:4px 4px 4px 4px rgb(200, 171,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2475, 46.9512, 78.9818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 171, 227) }
```

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

```
.background{ background-color: rgb(200,  
171, 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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