

Converting Colors

XYZ(47.1005, 43.1973, 78.2066)

Have a look what the booklet for
XYZ(47.1005, 43.1973, 78.2066)
contains.

XYZ(47.2123, 43.2508, 78.5329)	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(47.2123, 43.2508,
78.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A7E3
RGB	183, 167, 227
RGB Percent	72%, 65%, 89%
CMY	0.2823, 0.3451, 0.1098
CMYK	0.19, 0.26, 0.00, 0.11
HSL	256°, 52%, 77%
HSV	256°, 26%, 89%
XYZ	47.2123, 43.2508, 78.5329
YIQ	178.6240, -9.7240, 22.0520

Conversions

Conversions Part 2

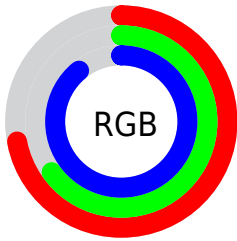
Format	Color
RYB	183, 167, 227
Decimal	12036067
CIELab	71.72, 17.86, -28.11
CIELCh	72, 33.303, 302.426
Yxy	43.2508, 0.2794, 0.2559
Android (android.graphics.Color)	4290226147 (0xFFB7A7E3)
YUV	178.6240, 23.8494, 3.8378
Hunter-Lab	65.7653, 13.0541, -24.7647

Details

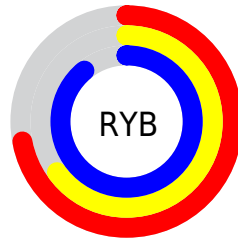
The XYZ color **47.2123, 43.2508, 78.5329** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.3094, 71.5781, 47.1457**, and the grayscale version is **42.5299, 44.7448, 48.7271**.

A 20% lighter version of the original color is **80.1065, 77.9878, 105.4388**, and **22.5347, 19.8689, 41.1754** is the 20% darker color. If you saturate the color by 10%, you get **39.6851, 33.7303, 77.0927**, and if you desaturate by 10%, it is **55.9406, 54.4761, 80.2403**.

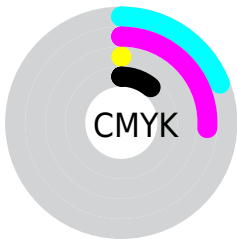
Distribution



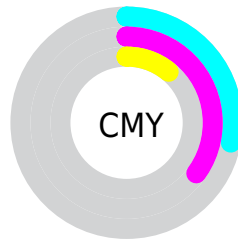
- Red (72%)
- Green (65%)
- Blue (89%)



- Red (72%)
- Yellow (65%)
- Blue (89%)



- Cyan (19%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2123, 43.2508, 78.5329 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 47.2123, 43.2508, 78.5329 by changing the saturation by 10% instead.

47.2123, 43.2508,
78.5329

47.2123, 43.2508,
78.5329

366.2961,
359.6422, 509.5505

33.4122, 30.0819,
57.9928

85.2472, 80.0892,
133.0938

22.6031, 19.9008,
41.3882

110.2128,
104.5275, 167.9516

14.4198, 12.3230,
28.3006

139.6308,
133.4911, 208.4191

8.4969, 6.9640,
18.3113

173.8667,
167.3644, 254.9148

4.4690, 3.4396,
11.0020

213.2858,
206.5318, 307.8573

1.9707, 1.3653,
5.9540

258.2535,

0.6174, 0.1910,

251.3776, 367.6650

2.7488

309.1352,
302.2862, 434.7566

■ 0.0000, 0.0000,
0.9678

■ 0.0000, 0.0000,
0.0000

■ 47.2123, 43.2508,
78.5329

■ 47.2123, 43.2508,
78.5329

■ 39.6851, 33.7303,
77.0927

■ 55.9406, 54.4761,
80.2403

■ 33.3003, 25.8245,
75.9032

■ 65.9165, 67.4795,
82.2244

■ 28.0005, 19.4431,
74.9508

■ 77.1893, 82.3366,
84.4980

■ 23.7214, 14.4845,
74.2193

■ 88.9030, 97.3145,
86.7716

■ 20.3913, 10.8345,
73.6903

■ 90.8653, 98.3261,
86.8635

■ 17.9280, 8.3603,
73.3425

■ 16.2320, 6.8968,
73.1494

■ 15.7610, 6.5234,
73.1022

Harmonies

Analogous

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



41.5701, 43.2508, 85.5114



47.2123, 43.2508, 78.5329



51.5080, 43.2508, 63.0098

Triad

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



47.2123, 43.2508, 78.5329



46.3443, 43.2508, 24.5501



31.1833, 43.2508, 48.4219

Complementary

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



47.2123, 43.2508, 78.5329



61.3094, 71.5781, 47.1457

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.



32.2125, 43.2508, 34.1110



47.2123, 43.2508, 78.5329



40.6505, 43.2508, 22.3487

Square

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



47.2123, 43.2508, 78.5329



50.9755, 43.2508, 32.3043



35.5550, 43.2508, 25.4130



32.6049, 43.2508, 65.8201

Rectangle

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



47.2123, 43.2508, 78.5329



52.8432, 43.2508, 51.3131



35.5550, 43.2508, 25.4130



31.2541, 43.2508, 43.1105

Sweetspot

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



47.2137, 43.2526, 78.5339



83.5926, 84.9401, 106.5970



53.3464, 60.8498, 81.6073



17.4573, 17.6120, 22.7293



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.



47.2137, 43.2526, 78.5339



55.6172, 48.8841, 101.1120



54.8366, 47.1823, 78.8906



13.9415, 14.0721, 18.1257



9.2862, 3.8531, 42.6375



0.7725, 0.3292, 3.1548

Inverse Universe

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



57.2565, 48.6732, 68.0068



71.0028, 57.1978, 84.5694



53.7369, 67.6743, 46.7913



14.8224, 14.5462, 17.2654



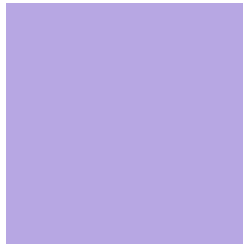
22.5651, 11.1603, 22.4028



1.7055, 0.8399, 1.8557

Previews

White Background



This preview shows how the XYZ color 47.2123, 43.2508, 78.5329 looks on a white background.

Color Contrast Check

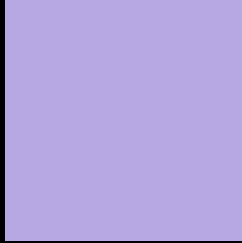
Large Text (above 18pt) WCAG AA × Fail

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 47.2123, 43.2508, 78.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

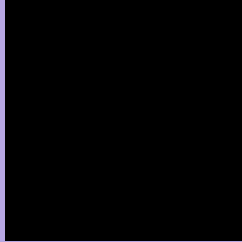
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2123, 43.2508, 78.5329

Background



This preview shows how black text looks on a background with the XYZ color 47.2123, 43.2508, 78.5329.



This preview shows how white text looks on a background with the XYZ color 47.2123, 43.2508,

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

47.2123, 43.2508, 78.5329

Protanopia

44.1987, 43.5719, 82.4246

Deuteranopia

44.3969, 43.4851, 78.0050



Tritanopia

42.1176, 43.1331, 53.6826

Trichromacy



Original Color

47.2123, 43.2508, 78.5329

Protanomaly

44.9943, 43.1638, 80.8229

Deuteranomaly

45.3036, 43.3875, 77.9384

Tritanomaly

43.8140, 42.9738, 61.8626

Monochromacy



Original Color

47.2123, 43.2508, 78.5329

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.1162, 44.3488, 58.4595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2123, 43.2508, 78.5329 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, 167, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 167, 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(183, 167, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 167, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.2123, 43.2508, 78.5329 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, 167, 227) }
```


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

```
.border{ border-color:rgb(183, 167, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 167, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 167, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 167, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 167,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2123, 43.2508, 78.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 167, 227) }
```

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

```
.background{ background-color: rgb(183,  
167, 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](#).

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