

Converting Colors

XYZ(47.7981, 43.2754, 86.5983)

Have a look what the booklet for
XYZ(47.7981, 43.2754, 86.5983)
contains.

XYZ(47.8417, 43.3942, 86.7433)	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(47.8417, 43.3942,
86.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A7EE
RGB	179, 167, 238
RGB Percent	70%, 65%, 93%
CMY	0.2980, 0.3451, 0.0667
CMYK	0.25, 0.30, 0.00, 0.07
HSL	250°, 68%, 79%
HSV	250°, 30%, 93%
XYZ	47.8417, 43.3942, 86.7433
YIQ	178.6820, -15.6390, 24.6250

Conversions

Conversions Part 2

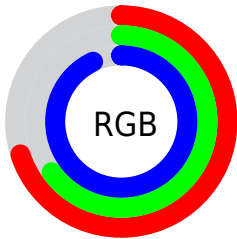
Format	Color
R_{YB}	179, 167, 238
Decimal	11773934
CIE _{Lab}	71.82, 19.19, -33.99
CIE _{LCh}	72, 39.033, 299.452
Yxy	43.3942, 0.2688, 0.2438
Android (android.graphics.Color)	4289964014 (0xFFB3A7EE)
YUV	178.6820, 29.2438, 0.2789
Hunter-Lab	65.8743, 14.3570, -31.9611

Details

The XYZ color **47.8417, 43.3942, 86.7433** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.9149, 80.1089, 48.3914**, and the grayscale version is **42.5352, 44.7503, 48.7331**.

A 20% lighter version of the original color is **78.7633, 77.2954, 105.3760**, and **23.0317, 19.9988, 46.9022** is the 20% darker color. If you saturate the color by 10%, you get **39.6285, 33.2732, 85.2234**, and if you desaturate by 10%, it is **57.5158, 55.4613, 88.5633**.

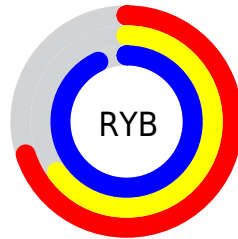
Distribution



Red (70%)

Green (65%)

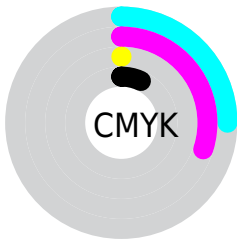
Blue (93%)



Red (70%)

Yellow (65%)

Blue (93%)

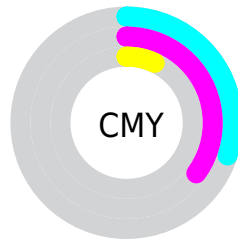


Cyan (25%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (30%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8417, 43.3942, 86.7433 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 47.8417, 43.3942, 86.7433 by changing the saturation by 10% instead.


 47.8417, 43.3942,
86.7433


 47.8417, 43.3942,
86.7433


368.7574,
360.2304, 537.6733

 33.9123, 30.1945,
64.7244


 86.1798, 80.3054,
144.7020

 22.9888, 19.9863,
46.7877

 111.3192,
104.7857, 181.4789

 14.7059, 12.3851,
32.5147


140.9259,
133.7950, 224.0121

 8.6982, 7.0065,
21.4869

175.3653,
167.7177, 272.7203

 4.6004, 3.4662,
13.2857

215.0028,
206.9382, 328.0220

 2.0471, 1.3797,
7.4925

260.2038,

 0.6602, 0.2017,

251.8409, 390.3357

3.6889

311.3335,
302.8102, 460.0799

■ 0.0000, 0.0000,
1.4563

■ 0.0000, 0.0000,
0.1850

■ 47.8417, 43.3942,
86.7433

■ 47.8417, 43.3942,
86.7433

■ 39.6285, 33.2732,
85.2234

■ 57.5158, 55.4613,
88.5633

■ 32.8000, 24.9906,
83.9846

■ 68.7131, 69.5641,
90.6953

■ 27.2795, 18.4361,
83.0104

■ 81.4979, 85.7931,
93.1540

■ 22.9810, 13.4856,
82.2814

■ 92.4328, 98.9531,
95.1178

■ 19.8077, 9.9977,
81.7754

■ 17.6474, 7.8059,
81.4662

■ 16.3341, 6.6442,
81.3112

■ 16.3165, 6.6287,
81.3091

Harmonies

Analogous

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



41.1230, 43.3942, 94.0150



47.8417, 43.3942, 86.7433



53.2373, 43.3942, 68.3603

Triad

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



47.8417, 43.3942, 86.7433



48.0754, 43.3942, 22.2497



29.7570, 43.3942, 46.9003

Complementary

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



47.8417, 43.3942, 86.7433



68.9149, 80.1089, 48.3914

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.



31.2039, 43.3942, 31.0041



47.8417, 43.3942, 86.7433



41.3670, 43.3942, 19.3199

Square

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



47.8417, 43.3942, 86.7433



53.3821, 43.3942, 31.4635



35.2842, 43.3942, 22.0388



31.1027, 43.3942, 67.5889

Rectangle

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



47.8417, 43.3942, 86.7433



55.1025, 43.3942, 54.2585



35.2842, 43.3942, 22.0388



29.9303, 43.3942, 40.8706

Sweetspot

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



47.8432, 43.3959, 86.7443



81.4891, 82.7820, 106.2913



58.6120, 68.8732, 91.0943



17.0036, 17.1643, 22.6668



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.



47.8432, 43.3959, 86.7443



49.7072, 43.0352, 100.2945



57.0817, 48.1585, 87.1766



15.1462, 15.3571, 19.8875



9.1758, 3.7357, 45.3653



0.8349, 0.3477, 3.7773

Inverse Universe

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



62.8074, 51.3072, 78.5460



70.0245, 53.7862, 88.7289



58.9530, 74.9733, 47.9252



16.3329, 15.9829, 19.3091



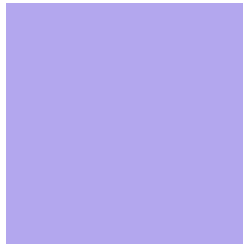
25.3858, 12.4268, 31.0121



2.1419, 1.0458, 2.7382

Previews

White Background



This preview shows how the XYZ color 47.8417, 43.3942, 86.7433 looks on a white background.

Color Contrast Check

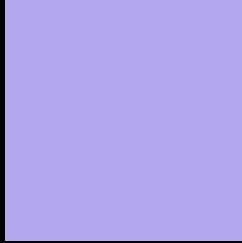
Large Text (above 18pt) WCAG AA × Fail

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 47.8417, 43.3942, 86.7433 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 47.8417, 43.3942, 86.7433

Background



This preview shows how black text looks on a background with the XYZ color 47.8417, 43.3942, 86.7433.



This preview shows how white text looks on a background with the XYZ color 47.8417, 43.3942,

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

47.8417, 43.3942, 86.7433

Protanopia

44.8313, 43.7117, 90.8684

Deuteranopia

44.5277, 43.3725, 86.1456



Tritanopia

41.3972, 43.3144, 54.8939

Trichromacy



Original Color

47.8417, 43.3942, 86.7433

Protanomaly

45.7499, 43.3692, 89.1789

Deuteranomaly

45.5749, 43.3472, 86.0856

Tritanomaly

43.4396, 43.2764, 65.0951

Monochromacy



Original Color

47.8417, 43.3942, 86.7433

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.3457, 44.4138, 60.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8417, 43.3942, 86.7433 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(179, 167, 238)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 238)  
}
```

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(179, 167, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 238) }
```

Border

The CSS property to change the border of an element to XYZ 47.8417, 43.3942, 86.7433 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(179, 167, 238) }
```


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

```
.border{ border-color:rgb(179, 167, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 238);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8417, 43.3942, 86.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 238) }
```

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

```
.background{ background-color: rgb(179,  
167, 238) }
```

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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