

Converting Colors

XYZ(47.5314, 44.9853, 84.6977)

Have a look what the booklet for
XYZ(47.5314, 44.9853, 84.6977)
contains.

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Color

**XYZ(47.6182, 44.9993,
84.7732)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4DEB
RGB	175, 173, 235
RGB Percent	69%, 68%, 92%
CMY	0.3137, 0.3216, 0.0784
CMYK	0.26, 0.26, 0.00, 0.08
HSL	242°, 61%, 80%
HSV	242°, 26%, 92%
XYZ	47.6182, 44.9993, 84.7732
YIQ	180.6660, -18.7100, 19.7060

Conversions

Conversions Part 2

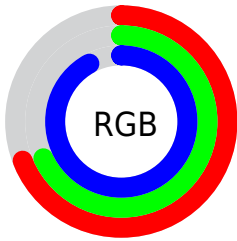
Format	Color
RYB	175, 173, 235
Decimal	11513323
CIELab	72.89, 13.96, -30.73
CIELCh	73, 33.752, 294.433
Yxy	44.9993, 0.2684, 0.2537
Android (android.graphics.Color)	4289703403 (0xFFAFADEB)
YUV	180.6660, 26.7867, -4.9691
Hunter-Lab	67.0815, 9.3166, -27.9697

Details

The XYZ color **47.6182, 44.9993, 84.7732** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.8566, 79.7584, 51.1974**, and the grayscale version is **43.6093, 45.8804, 49.9637**.

A 20% lighter version of the original color is **78.7484, 79.6957, 105.8401**, and **22.8592, 20.9944, 45.4953** is the 20% darker color. If you saturate the color by 10%, you get **38.8206, 34.3534, 83.1828**, and if you desaturate by 10%, it is **58.0709, 57.6769, 86.6701**.

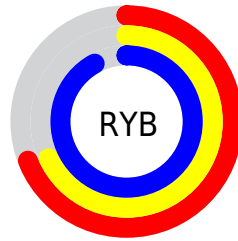
Distribution



Red (69%)

Green (68%)

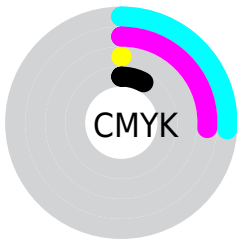
Blue (92%)



Red (69%)

Yellow (68%)

Blue (92%)

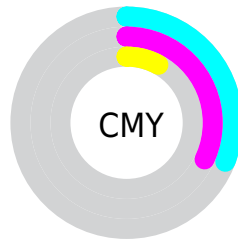


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (31%)

Magenta (32%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6182, 44.9993, 84.7732 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 47.6182, 44.9993, 84.7732 by changing the saturation by 10% instead.

■ 47.6182, 44.9993,
84.7732

■ 47.6182, 44.9993,
84.7732

367.8846,
366.7707, 531.0023

■ 33.7346, 31.4569,
63.1049

■ 85.8488, 82.7194,
141.9276

■ 22.8517, 20.9470,
45.4846

110.9266,
107.6658, 178.2508

■ 14.6042, 13.0853,
31.4935

140.4664,
137.1823, 220.2961

■ 8.6265, 7.4873,
20.7133

174.8337,
171.6534, 268.4820

■ 4.5536, 3.7687,
12.7254

214.3938,
211.4634, 323.2270

■ 2.0198, 1.5450,
7.1113

259.5121,

■ 0.6451, 0.3201,

256.9967, 384.9497

3.4523

310.5539,
308.6376, 454.0686

■ 0.0000, 0.0000,
1.3300

■ 0.0000, 0.0000,
0.0861

■ 47.6182, 44.9993,
84.7732

■ 47.6182, 44.9993,
84.7732

■ 38.8206, 34.3534,
83.1828

■ 58.0709, 57.6769,
86.6701

■ 31.5891, 25.6287,
81.8799

■ 70.2527, 72.4785,
88.8850

■ 25.8331, 18.7122,
80.8482

■ 84.2387, 89.4971,
91.4328

■ 21.4510, 13.4770,
80.0687

■ 91.9955, 98.7782,
92.8154

■ 18.3282, 9.7800,
79.5197

■ 16.3319, 7.4540,
79.1760

■ 15.2982, 6.2913,
79.0060

■ 15.0904, 6.0471,
78.9698

Harmonies

Analogous

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



41.6833, 44.9993, 88.7931



47.6182, 44.9993, 84.7732



52.6394, 44.9993, 70.3404

Triad

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



47.6182, 44.9993, 84.7732



49.6876, 44.9993, 27.1001



32.4782, 44.9993, 45.9229

Complementary

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



47.6182, 44.9993, 84.7732



70.8566, 79.7584, 51.1974

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.



34.2192, 44.9993, 32.4766



47.6182, 44.9993, 84.7732



43.8764, 44.9993, 23.3240

Square

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



47.6182, 44.9993, 84.7732



53.9088, 44.9993, 36.7896



38.2635, 44.9993, 25.0387



33.2829, 44.9993, 63.6430

Rectangle

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



47.6182, 44.9993, 84.7732



54.6091, 44.9993, 58.2075



38.2635, 44.9993, 25.0387



32.7799, 44.9993, 40.8126

Sweetspot

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



47.6197, 45.0011, 84.7742



81.9901, 84.1140, 106.5220



61.6435, 73.7101, 89.5765



17.0572, 17.4057, 22.7106



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.



47.6197, 45.0011, 84.7742



50.9820, 46.4946, 100.8950



55.1265, 48.8710, 85.1255



14.2761, 14.5721, 18.9825



8.4187, 3.3759, 43.9509



0.6769, 0.2733, 3.4519

Inverse Universe

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



63.9138, 53.4342, 84.0372



73.8896, 58.3524, 99.7707



61.8720, 75.1266, 50.7769



15.6926, 15.3049, 18.9326



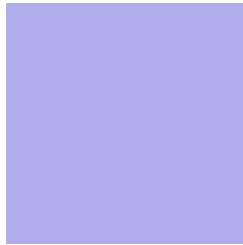
26.8264, 12.9333, 41.7489



2.1131, 1.0182, 3.3131

Previews

White Background



This preview shows how the XYZ color 47.6182, 44.9993, 84.7732 looks on a white background.

Color Contrast Check

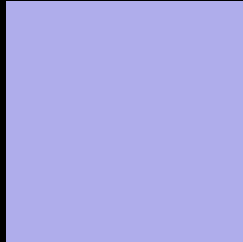
Large Text (above 18pt) WCAG AA × Fail

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 47.6182, 44.9993, 84.7732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

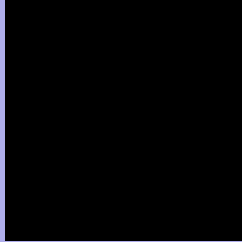
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6182, 44.9993, 84.7732

Background



This preview shows how black text looks on a background with the XYZ color 47.6182, 44.9993, 84.7732.



This preview shows how white text looks on a background with the XYZ color 47.6182, 44.9993,

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

47.6182, 44.9993, 84.7732

Protanopia

46.0550, 45.2987, 87.2051

Deuteranopia

46.1025, 45.0982, 84.1169



Tritanopia

42.3105, 45.2034, 58.1249

Trichromacy



Original Color

47.6182, 44.9993, 84.7732

Protanomaly

46.7477, 45.3806, 86.4162

Deuteranomaly

46.5434, 45.0355, 84.0815

Tritanomaly

44.1308, 45.0400, 67.3404

Monochromacy



Original Color

47.6182, 44.9993, 84.7732

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.0534, 45.6415, 61.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6182, 44.9993, 84.7732 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(175, 173, 235)` looks like.

```
.text, #text, p{  
    color:rgb(175, 173, 235)  
}
```

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(175, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 173, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.6182, 44.9993, 84.7732 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(175, 173, 235) }
```


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

```
.border{ border-color:rgb(175, 173, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 173, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(175, 173,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6182, 44.9993, 84.7732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 173, 235) }
```

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

```
.background{ background-color: rgb(175,  
173, 235) }
```

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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