

Converting Colors

XYZ(47.9149, 46.8483, 87.4062)

Have a look what the booklet for
XYZ(47.9149, 46.8483, 87.4062)
contains.

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Color

**XYZ(47.9149, 46.8483,
87.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B3EE
RGB	169, 179, 238
RGB Percent	66%, 70%, 93%
CMY	0.3372, 0.2980, 0.0667
CMYK	0.29, 0.25, 0.00, 0.07
HSL	231°, 67%, 80%
HSV	231°, 29%, 93%
XYZ	47.9149, 46.8483, 87.4062
YIQ	182.7360, -24.8990, 16.2290

Conversions

Conversions Part 2

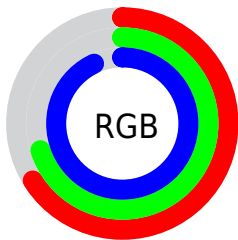
Format	Color
RYB	169, 178, 238
Decimal	11121646
CIELab	74.09, 9.61, -30.54
CIELCh	74, 32.019, 287.459
Yxy	46.8483, 0.2630, 0.2572
Android (android.graphics.Color)	4289311726 (0xFFA9B3EE)
YUV	182.7360, 27.2452, -12.0465
Hunter-Lab	68.4458, 5.1772, -27.8020

Details

The XYZ color **47.9149, 46.8483, 87.4062** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.1655, 76.5291, 48.6111**, and the grayscale version is **44.7318, 47.0613, 51.2498**.

A 20% lighter version of the original color is **78.8097, 82.6442, 106.4060**, and **22.9746, 21.9439, 47.2807** is the 20% darker color. If you saturate the color by 10%, you get **39.4842, 36.8885, 85.9289**, and if you desaturate by 10%, it is **57.8800, 58.4947, 89.1298**.

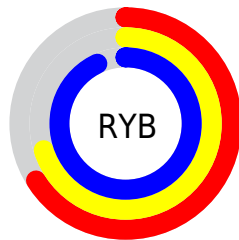
Distribution



Red (66%)

Green (70%)

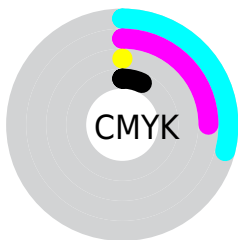
Blue (93%)



Red (66%)

Yellow (70%)

Blue (93%)

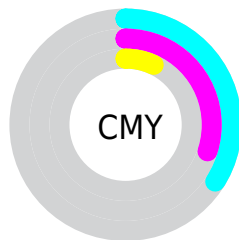


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (34%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9149, 46.8483, 87.4062 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 47.9149, 46.8483, 87.4062 by changing the saturation by 10% instead.

■ 47.9149, 46.8483,
87.4062

■ 47.9149, 46.8483,
87.4062

369.0429,
374.2087, 539.9075

■ 33.9705, 32.9157,
65.2699

■ 86.2881, 85.4871,
145.6340

■ 23.0337, 22.0619,
47.2272

111.4477,
110.9622, 182.5626

■ 14.7392, 13.9024,
32.8597

141.0763,
141.0536, 225.2590

■ 8.7217, 8.0528,
21.7487

175.5393,
176.1456, 274.1418

■ 4.6158, 4.1288,
13.4758

215.2021,
216.6228, 329.6295

■ 2.0560, 1.7458,
7.6225

260.4301,

■ 0.6651, 0.4531,

262.8694, 392.1407

3.7700

311.5886,
315.2699, 462.0939

■ 0.0000, 0.0000,
1.5001

■ 0.0000, 0.0000,
0.2180

■ 47.9149, 46.8483,
87.4062

■ 47.9149, 46.8483,
87.4062

■ 39.4842, 36.8885,
85.9289

■ 57.8800, 58.4947,
89.1298

■ 32.5065, 28.5312,
84.6836

■ 69.4460, 71.8956,
91.1068

■ 26.8998, 21.6934,
83.6592

■ 82.6814, 87.1217,
93.3482

■ 22.5722, 16.2822,
82.8429

■ 92.4328, 98.9531,
95.1179

■ 19.4198, 12.1943,
82.2200

■ 17.3222, 9.3119,
81.7742

■ 16.1105, 7.4839,
81.4852

■ 16.0191, 7.3457,
81.4633

Harmonies

Analogous

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



42.1788, 46.8483, 88.4132



47.9149, 46.8483, 87.4062



53.1463, 46.8483, 75.4483

Triad

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



47.9149, 46.8483, 87.4062



52.3979, 46.8483, 31.1192



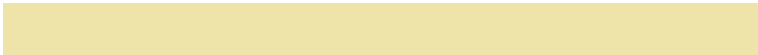
34.6184, 46.8483, 44.4623

Complementary

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



47.9149, 46.8483, 87.4062



70.1655, 76.5291, 48.6111

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.



36.8956, 46.8483, 32.5163



47.9149, 46.8483, 87.4062



46.9627, 46.8483, 25.9981

Square

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



47.9149, 46.8483, 87.4062



55.8831, 46.8483, 42.1190



41.3044, 46.8483, 26.4477



34.8256, 46.8483, 61.0713

Rectangle

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



47.9149, 46.8483, 87.4062



55.4953, 46.8483, 64.0831



41.3044, 46.8483, 26.4477



35.1100, 46.8483, 39.8477

Sweetspot

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



47.9165, 46.8501, 87.4073



81.1612, 84.0166, 106.5469



60.8929, 75.1672, 84.4446



16.9236, 17.4653, 22.7291



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.



47.9165, 46.8501, 87.4073



49.7808, 47.4145, 101.1359



51.6525, 45.9077, 87.0285



15.0821, 15.5983, 19.9375



8.9929, 4.2101, 45.4665



0.8045, 0.4630, 3.8012

Inverse Universe

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



57.5858, 49.8092, 49.2288



62.9358, 51.6836, 49.1404



65.4249, 78.2882, 49.2005



15.8661, 15.7962, 16.8513



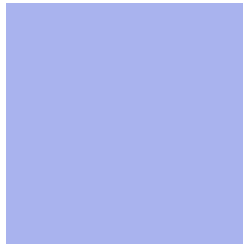
19.8648, 10.2184, 1.9388



1.6810, 0.8615, 0.3112

Previews

White Background



This preview shows how the XYZ color 47.9149, 46.8483, 87.4062 looks on a white background.

Color Contrast Check

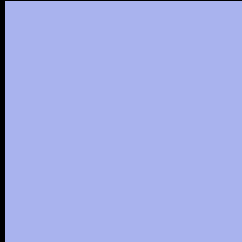
Large Text (above 18pt) WCAG AA × Fail

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 47.9149, 46.8483, 87.4062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

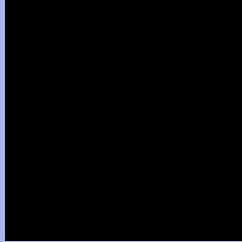
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9149, 46.8483, 87.4062

Background



This preview shows how black text looks on a background with the XYZ color 47.9149, 46.8483, 87.4062.



This preview shows how white text looks on a background with the XYZ color 47.9149, 46.8483,

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

47.9149, 46.8483, 87.4062

Protanopia

47.6271, 46.9815, 88.2195

Deuteranopia

47.9149, 46.8483, 87.4062



Tritanopia

42.7995, 46.9119, 62.0575

Trichromacy



Original Color

47.9149, 46.8483, 87.4062

Protanomaly

47.8376, 47.0900, 88.2293

Deuteranomaly

47.9149, 46.8483, 87.4062

Tritanomaly

44.3809, 46.6145, 70.2767

Monochromacy



Original Color

47.9149, 46.8483, 87.4062

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.8675, 47.2327, 63.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9149, 46.8483, 87.4062 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(169, 179, 238)` looks like.

```
.text, #text, p{  
    color:rgb(169, 179, 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(169, 179, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 179, 238) }
```

Border

The CSS property to change the border of an element to XYZ 47.9149, 46.8483, 87.4062 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(169, 179, 238) }
```


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

```
.border{ border-color:rgb(169, 179, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 179, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 179, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 179, 238);  
box-shadow:4px 4px 4px 4px rgb(169, 179,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9149, 46.8483, 87.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 179, 238) }
```

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

```
.background{ background-color: rgb(169,  
179, 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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