

Converting Colors

XYZ(49.1146, 47.7256, 87.8550)

Have a look what the booklet for
XYZ(49.1146, 47.7256, 87.8550)
contains.

XYZ(48.9875, 47.6998, 87.5140)	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(48.9875, 47.6998,
87.5140)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB4EE
RGB	173, 180, 238
RGB Percent	68%, 71%, 93%
CMY	0.3216, 0.2941, 0.0667
CMYK	0.27, 0.24, 0.00, 0.07
HSL	234°, 66%, 81%
HSV	234°, 27%, 93%
XYZ	48.9875, 47.6998, 87.5140
YIQ	184.5190, -22.7900, 16.5540

Conversions

Conversions Part 2

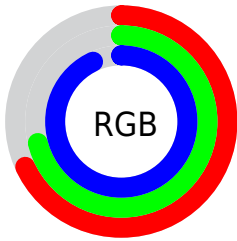
Format	Color
R_{YB}	173, 179, 238
Decimal	11384046
CIE Lab	74.64, 10.22, -29.69
CIE LCh	75, 31.394, 288.989
Yxy	47.6998, 0.2659, 0.2590
Android (android.graphics.Color)	4289574126 (0xFFADB4EE)
YUV	184.5190, 26.3661, -10.1022
Hunter-Lab	69.0650, 5.7454, -26.7823

Details

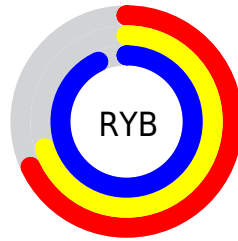
The XYZ color **48.9875, 47.6998, 87.5140** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.3795, 78.3469, 50.8972**, and the grayscale version is **45.7159, 48.0967, 52.3773**.

A 20% lighter version of the original color is **80.3586, 83.8689, 106.5607**, and **23.6406, 22.4781, 47.3487** is the 20% darker color. If you saturate the color by 10%, you get **40.2224, 37.2979, 85.9690**, and if you desaturate by 10%, it is **59.3500, 59.9024, 89.3240**.

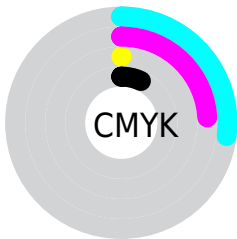
Distribution



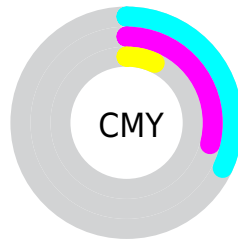
- Red (68%)
- Green (71%)
- Blue (93%)



- Red (68%)
- Yellow (70%)
- Blue (93%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (32%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9875, 47.6998, 87.5140 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 48.9875, 47.6998, 87.5140 by changing the saturation by 10% instead.

■ 48.9875, 47.6998,
87.5140

■ 48.9875, 47.6998,
87.5140

373.2109,
377.6010, 540.2704

■ 34.8241, 33.5892,
65.3586

■ 87.8737, 86.7573,
145.7855

■ 23.6933, 22.5782,
47.2987

113.3272,
112.4729, 182.7388

■ 15.2297, 14.2824,
32.9158

143.2748,
142.8258, 225.4617

■ 9.0681, 8.3173,
21.7914

178.0817,
178.2001, 274.3728

■ 4.8431, 4.2987,
13.5068

218.1135,
218.9804, 329.8907

■ 2.1893, 1.8420,
7.6437

263.7353,

■ 0.7371, 0.5131,

265.5511, 392.4339

3.7833

315.3127,
318.2965, 462.4209

■ 0.0000, 0.0000,
1.5072

■ 0.0000, 0.0000,
0.2233

■ 48.9875, 47.6998,
87.5140

■ 48.9875, 47.6998,
87.5140

■ 40.2224, 37.2979,
85.9690

■ 59.3500, 59.9024,
89.3240

■ 32.9704, 28.6058,
84.6735

■ 71.3792, 73.9795,
91.4071

■ 27.1466, 21.5332,
83.6153

■ 85.1459, 90.0079,
93.7753

■ 22.6558, 15.9791,
82.7799

■ 92.4328, 98.9531,
95.1179

■ 19.3910, 11.8309,
82.1513

■ 17.2283, 8.9605,
81.7113

■ 16.0120, 7.2126,
81.4380

■ 15.7941, 6.8957,
81.3883

Harmonies

Analogous

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



43.2816, 47.6998, 89.1200



48.9875, 47.6998, 87.5140



54.0949, 47.6998, 75.3040

Triad

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



48.9875, 47.6998, 87.5140



52.8941, 47.6998, 31.7167



35.4327, 47.6998, 46.1851

Complementary

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



48.9875, 47.6998, 87.5140



71.3795, 78.3469, 50.8972

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.



37.5798, 47.6998, 33.9855



48.9875, 47.6998, 87.5140



47.4569, 47.6998, 26.8721

Square

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



48.9875, 47.6998, 87.5140



56.4773, 47.6998, 42.4028



41.8729, 47.6998, 27.6052



35.7677, 47.6998, 62.8028

Rectangle

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



48.9875, 47.6998, 87.5140



56.3248, 47.6998, 63.9877



41.8729, 47.6998, 27.6052



35.8804, 47.6998, 41.5030

Sweetspot

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



48.9891, 47.7017, 87.5151



82.4045, 85.2651, 106.7224



62.1509, 75.7710, 86.5206



17.1604, 17.6925, 22.7605



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.



48.9891, 47.7017, 87.5151



51.1156, 48.4685, 101.2690



53.6444, 48.0563, 87.3382



15.0343, 15.5027, 19.9215



8.8560, 3.9363, 45.4209



0.7818, 0.4177, 3.7936

Inverse Universe

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



58.4430, 51.3612, 50.0153



64.0039, 53.6209, 50.1101



65.5833, 78.3258, 51.1986



15.8420, 15.7865, 16.7241



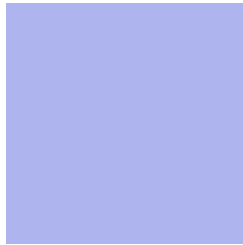
19.7957, 10.1907, 1.5750



1.6696, 0.8569, 0.2509

Previews

White Background



This preview shows how the XYZ color 48.9875, 47.6998, 87.5140 looks on a white background.

Color Contrast Check

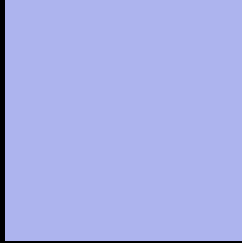
Large Text (above 18pt) WCAG AA × Fail

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 48.9875, 47.6998, 87.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

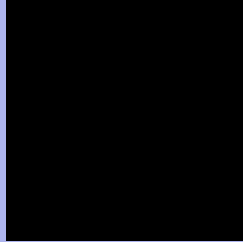
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9875, 47.6998, 87.5140

Background



This preview shows how black text looks on a background with the XYZ color 48.9875, 47.6998, 87.5140.



This preview shows how white text looks on a background with the XYZ color 48.9875, 47.6998,

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

48.9875, 47.6998, 87.5140

Protanopia

48.2523, 47.6046, 88.3068

Deuteranopia

48.7671, 47.5862, 87.5037



Tritanopia

44.1569, 47.9119, 62.7977

Trichromacy



Original Color

48.9875, 47.6998, 87.5140

Protanomaly

48.6814, 47.8258, 88.3269

Deuteranomaly

48.7671, 47.5862, 87.5037

Tritanomaly

45.7684, 47.6223, 71.0697

Monochromacy



Original Color

48.9875, 47.6998, 87.5140

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8886, 48.0504, 63.9301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9875, 47.6998, 87.5140 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(173, 180, 238)` looks like.

```
.text, #text, p{  
    color:rgb(173, 180, 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(173, 180, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 180, 238) }
```

Border

The CSS property to change the border of an element to XYZ 48.9875, 47.6998, 87.5140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

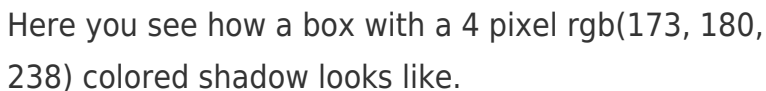
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 180, 238) }
```


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

```
.border{ border-color:rgb(173, 180, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 180, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 180, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 180, 238); box-shadow:4px 4px 4px 4px rgb(173, 180, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9875, 47.6998, 87.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 180, 238) }
```

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

```
.background{ background-color: rgb(173,  
180, 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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