

Converting Colors

XYZ(48.7690, 47.8950, 84.7534)

Have a look what the booklet for
XYZ(48.7690, 47.8950, 84.7534)
contains.

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Color

**XYZ(48.8307, 47.9869,
84.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB5EA
RGB	174, 181, 234
RGB Percent	68%, 71%, 92%
CMY	0.3176, 0.2902, 0.0823
CMYK	0.26, 0.23, 0.00, 0.08
HSL	233°, 59%, 80%
HSV	233°, 26%, 92%
XYZ	48.8307, 47.9869, 84.5307
YIQ	184.9490, -21.1850, 14.9990

Conversions

Conversions Part 2

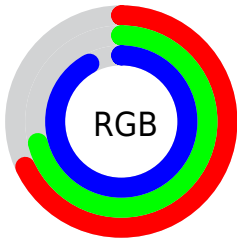
Format	Color
R_{YB}	174, 180, 234
Decimal	11449834
CIE Lab	74.82, 9.00, -27.23
CIE LCh	75, 28.685, 288.296
Yxy	47.9869, 0.2693, 0.2646
Android (android.graphics.Color)	4289639914 (0xFFAEB5EA)
YUV	184.9490, 24.1821, -9.6023
Hunter-Lab	69.2726, 4.5988, -23.8585

Details

The XYZ color **48.8307, 47.9869, 84.5307** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0415, 75.4871, 50.9774**, and the grayscale version is **45.9652, 48.3590, 52.6630**.

A 20% lighter version of the original color is **80.9673, 84.6114, 106.6719**, and **23.5008, 22.6458, 45.2519** is the 20% darker color. If you saturate the color by 10%, you get **40.1691, 37.7395, 83.0101**, and if you desaturate by 10%, it is **59.0270, 59.9533, 86.3039**.

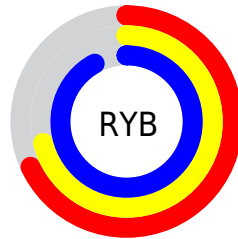
Distribution



Red (68%)

Green (71%)

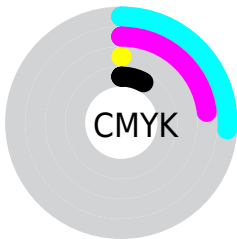
Blue (92%)



Red (68%)

Yellow (71%)

Blue (92%)

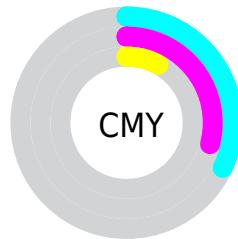


Cyan (26%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8307, 47.9869, 84.5307 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 48.8307, 47.9869, 84.5307 by changing the saturation by 10% instead.

■ 48.8307, 47.9869,
84.5307

■ 48.8307, 47.9869,
84.5307

372.6035,
378.7402, 530.1779

■ 34.6992, 33.8165,
62.9058

■ 87.6422, 87.1849,
141.5856

■ 23.5967, 22.7527,
45.3245

113.0529,
112.9813, 177.8527

■ 15.1578, 14.4110,
31.3683

142.9540,
143.4218, 219.8376

■ 9.0173, 8.4071,
20.6186

177.7109,
178.8909, 267.9588

■ 4.8096, 4.3565,
12.6570

217.6889,
219.7728, 322.6349

■ 2.1696, 1.8749,
7.0648

263.2535,

■ 0.7266, 0.5332,

266.4521, 384.2845

3.4236

314.7699,
319.3131, 453.3259

■ 0.0000, 0.0000,
1.3148

■ 0.0000, 0.0000,
0.0739

■ 48.8307, 47.9869,
84.5307

■ 48.8307, 47.9869,
84.5307

■ 40.1691, 37.7395,
83.0101

■ 59.0270, 59.9533,
86.3039

■ 32.9632, 29.1264,
81.7274

■ 70.8228, 73.7068,
88.3368

■ 27.1336, 22.0642,
80.6715

■ 84.2846, 89.3189,
90.6408

■ 22.5919, 16.4599,
79.8291

■ 91.8514, 98.7206,
92.0567

■ 19.2389, 12.2104,
79.1856

■ 16.9605, 9.1988,
78.7244

■ 15.6196, 7.2874,
78.4261

■ 15.2504, 6.7385,
78.3396

Harmonies

Analogous

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



43.6062, 47.9869, 85.7139



48.8307, 47.9869, 84.5307



53.5129, 47.9869, 73.7766

Triad

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



48.8307, 47.9869, 84.5307



52.6112, 47.9869, 33.6093



36.4795, 47.9869, 46.6382

Complementary

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



48.8307, 47.9869, 84.5307



69.0415, 75.4871, 50.9774

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.



38.5264, 47.9869, 35.3793



48.8307, 47.9869, 84.5307



47.6745, 47.9869, 28.8734

Square

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



48.8307, 47.9869, 84.5307



55.8076, 47.9869, 43.7435



42.5343, 47.9869, 29.4528



36.7373, 47.9869, 61.7925

Rectangle

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



48.8307, 47.9869, 84.5307



55.5746, 47.9869, 63.6047



42.5343, 47.9869, 29.4528



36.9141, 47.9869, 42.3334

Sweetspot

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



48.8323, 47.9888, 84.5318



82.4575, 85.3712, 106.7400



60.6070, 73.3364, 82.9135



17.1737, 17.7189, 22.7649



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.



48.8323, 47.9888, 84.5318



53.3285, 51.2150, 101.6825



52.7536, 47.9498, 84.3176



14.3727, 14.8319, 19.0276



8.6161, 3.8792, 44.0376



0.7232, 0.3978, 3.4735

Inverse Universe

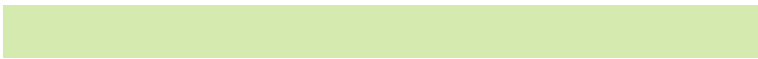
The Inverse Universe completely reimagines the original color for something new.



57.4095, 51.1022, 50.5559



65.5309, 55.8012, 53.3121



64.2153, 75.8997, 51.3114



15.1369, 15.0826, 16.0065



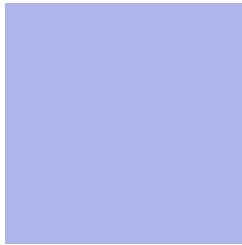
19.2043, 9.8844, 1.6113



1.5315, 0.7856, 0.2503

Previews

White Background



This preview shows how the XYZ color 48.8307, 47.9869, 84.5307 looks on a white background.

Color Contrast Check

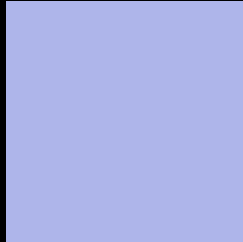
Large Text (above 18pt) WCAG AA × Fail

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 48.8307, 47.9869, 84.5307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

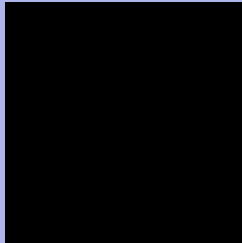
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8307, 47.9869, 84.5307

Background



This preview shows how black text looks on a background with the XYZ color 48.8307, 47.9869, 84.5307.



This preview shows how white text looks on a background with the XYZ color 48.8307, 47.9869,

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

48.8307, 47.9869, 84.5307

Protanopia

48.5179, 48.1120, 85.3266

Deuteranopia

49.2797, 48.2184, 84.5517



Tritanopia

44.5794, 48.1297, 62.8175

Trichromacy



Original Color

48.8307, 47.9869, 84.5307

Protanomaly

48.7366, 48.2247, 85.3369

Deuteranomaly

49.0544, 48.1022, 84.5411

Tritanomaly

46.0641, 48.0990, 70.4745

Monochromacy



Original Color

48.8307, 47.9869, 84.5307

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9760, 48.4165, 63.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8307, 47.9869, 84.5307 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(174, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(174, 181, 234)  
}
```

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(174, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 181, 234) }
```

Border

The CSS property to change the border of an element to XYZ 48.8307, 47.9869, 84.5307 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(174, 181, 234) }
```


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

```
.border{ border-color:rgb(174, 181, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 181, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 181, 234);  
box-shadow:4px 4px 4px 4px rgb(174, 181,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8307, 47.9869, 84.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 181, 234) }
```

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

```
.background{ background-color: rgb(174,  
181, 234) }
```

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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