

Converting Colors

XYZ(49.0915, 48.6701, 85.9013)

Have a look what the booklet for
XYZ(49.0915, 48.6701, 85.9013)
contains.

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Color

**XYZ(49.0871, 48.6938,
86.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB7EC
RGB	172, 183, 236
RGB Percent	67%, 72%, 93%
CMY	0.3255, 0.2823, 0.0745
CMYK	0.27, 0.22, 0.00, 0.07
HSL	230°, 63%, 80%
HSV	230°, 27%, 93%
XYZ	49.0871, 48.6938, 86.1685
YIQ	185.7530, -23.5690, 14.1510

Conversions

Conversions Part 2

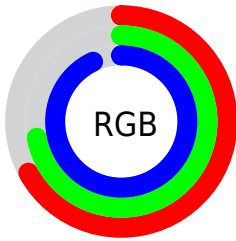
Format	Color
R_{YB}	172, 181, 236
Decimal	11319276
CIE Lab	75.26, 7.79, -27.65
CIE LCh	75, 28.726, 285.738
Yxy	48.6938, 0.2669, 0.2647
Android (android.graphics.Color)	4289509356 (0xFFACB7EC)
YUV	185.7530, 24.7718, -12.0614
Hunter-Lab	69.7809, 3.4484, -24.3672

Details

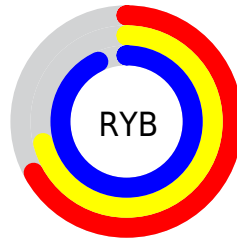
The XYZ color **49.0871, 48.6938, 86.1685** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9644, 74.6623, 49.8078**, and the grayscale version is **46.4106, 48.8276, 53.1732**.

A 20% lighter version of the original color is **80.9114, 85.4470, 106.8362**, and **23.6921, 23.1121, 46.3924** is the 20% darker color. If you saturate the color by 10%, you get **40.6053, 38.7479, 84.6966**, and if you desaturate by 10%, it is **59.0515, 60.2371, 87.8722**.

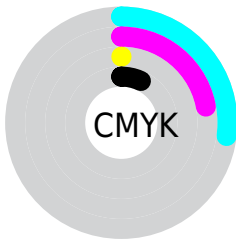
Distribution



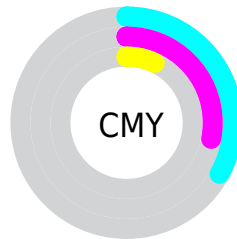
- Red (67%)
- Green (72%)
- Blue (93%)



- Red (67%)
- Yellow (71%)
- Blue (93%)



- Cyan (27%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (28%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0871, 48.6938, 86.1685 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 49.0871, 48.6938, 86.1685 by changing the saturation by 10% instead.

■ 49.0871, 48.6938,
86.1685

■ 49.0871, 48.6938,
86.1685

373.5964,
381.5356, 535.7317

■ 34.9034, 34.3766,
64.2516

■ 88.0207, 88.2365,
143.8932

■ 23.7546, 23.1831,
46.4070

113.5014,
114.2309, 180.5382

■ 15.2755, 14.7288,
32.2161

143.4784,
144.8864, 222.9295

■ 9.1005, 8.6292,
21.2605

178.3172,
180.5875, 271.4859

■ 4.8644, 4.5002,
13.1214

218.3830,
221.7186, 326.6257

■ 2.2019, 1.9571,
7.3805

264.0412,

■ 0.7437, 0.5824,

268.6640, 388.7676

3.6192

315.6572,
321.8083, 458.3301

■ 0.0000, 0.0000,
1.4188

■ 0.0000, 0.0000,
0.1563

■ 49.0871, 48.6938,
86.1685

■ 49.0871, 48.6938,
86.1685

■ 40.6053, 38.7479,
84.6966

■ 59.0515, 60.2371,
87.8722

■ 33.5298, 30.3227,
83.4433

■ 70.5605, 73.4386,
89.8138

■ 27.7846, 23.3437,
82.3990

■ 83.6782, 88.3626,
92.0030

■ 23.2842, 17.7277,
81.5522

■ 92.1405, 98.8362,
93.5786

■ 19.9330, 13.3827,
80.8902

■ 17.6209, 10.2048,
80.3986

■ 16.2104, 8.0697,
80.0609

■ 15.9185, 7.6122,
79.9880

Harmonies

Analogous

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



43.8288, 48.6938, 86.4365



49.0871, 48.6938, 86.1685



53.9299, 48.6938, 75.9786

Triad

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



49.0871, 48.6938, 86.1685



53.7255, 48.6938, 34.8235



37.1341, 48.6938, 46.1825

Complementary

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



49.0871, 48.6938, 86.1685



68.9644, 74.6623, 49.8078

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.



39.3937, 48.6938, 35.2248



49.0871, 48.6938, 86.1685



48.8251, 48.6938, 29.5616

Square

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



49.0871, 48.6938, 86.1685



56.7434, 48.6938, 45.5263



43.5858, 48.6938, 29.6930



37.1925, 48.6938, 61.2923

Rectangle

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



49.0871, 48.6938, 86.1685



56.1550, 48.6938, 65.8689



43.5858, 48.6938, 29.6930



37.6398, 48.6938, 41.9598

Sweetspot

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



49.0887, 48.6957, 86.1696



82.7846, 86.0253, 106.8491



60.5006, 74.1589, 81.8372



17.2553, 17.8823, 22.7921



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.



49.0887, 48.6957, 86.1696



52.2268, 50.6908, 101.6394



51.7000, 46.8041, 85.6669



14.4405, 14.9674, 19.0501



8.8388, 4.3245, 44.1118



0.7552, 0.4620, 3.4842

Inverse Universe

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



57.8932, 50.7583, 51.5478



64.5648, 53.8453, 53.0635



65.6831, 77.5288, 50.5340



15.1711, 15.0963, 16.1865



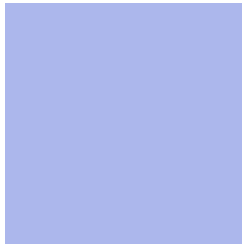
19.3167, 9.9294, 2.2031



1.5477, 0.7920, 0.3356

Previews

White Background



This preview shows how the XYZ color 49.0871, 48.6938, 86.1685 looks on a white background.

Color Contrast Check

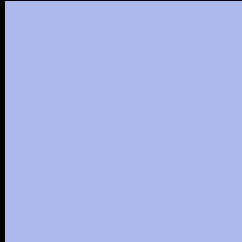
Large Text (above 18pt) WCAG AA × Fail

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 49.0871, 48.6938, 86.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

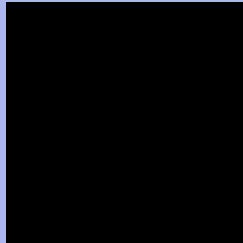
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0871, 48.6938, 86.1685

Background



This preview shows how black text looks on a background with the XYZ color 49.0871, 48.6938, 86.1685.



This preview shows how white text looks on a background with the XYZ color 49.0871, 48.6938,

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

49.0871, 48.6938, 86.1685

Protanopia

49.0871, 48.6938, 86.1685

Deuteranopia

49.7728, 48.7421, 86.1417



Tritanopia

44.6137, 48.7542, 64.1858

Trichromacy



Original Color

49.0871, 48.6938, 86.1685

Protanomaly

49.0871, 48.6938, 86.1685

Deuteranomaly

49.5475, 48.6260, 86.1312

Tritanomaly

46.3134, 48.8233, 71.9486

Monochromacy



Original Color

49.0871, 48.6938, 86.1685

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.3041, 48.8813, 64.0686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0871, 48.6938, 86.1685 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(172, 183, 236)` looks like.

```
.text, #text, p{  
    color:rgb(172, 183, 236)  
}
```

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(172, 183, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 183, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.0871, 48.6938, 86.1685 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(172, 183, 236) }
```


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

```
.border{ border-color:rgb(172, 183, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 183, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 183, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 183, 236);  
box-shadow:4px 4px 4px 4px rgb(172, 183,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0871, 48.6938, 86.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 183, 236) }
```

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

```
.background{ background-color: rgb(172,  
183, 236) }
```

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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