

Converting Colors

Hex(87ACC5)

Have a look what the booklet for
Hex(87ACC5) contains.

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Color

Hex(87ACC5)

Conversions

Conversions Part 1

Format	Color
Hex	87ACC5
RGB	135, 172, 197
RGB Percent	53%, 67%, 77%
CMY	0.4706, 0.3255, 0.2275
CMYK	0.31, 0.13, 0.00, 0.23
HSL	204°, 35%, 65%
HSV	204°, 31%, 77%
XYZ	34.8222, 38.6872, 58.4554
YIQ	163.7870, -30.0770, -0.0690

Conversions

Conversions Part 2

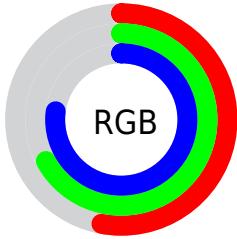
Format	Color
RYB	135, 158, 197
Decimal	8891589
CIELab	68.52, -6.55, -16.82
CIELCh	69, 18.050, 248.711
Yxy	38.6872, 0.2639, 0.2932
Android (android.graphics.Color)	4287081669 (0xFF87ACC5)
YUV	163.7870, 16.3740, -25.2462
Hunter-Lab	62.1990, -8.9147, -12.1821

Details

The Hex color **87ACC5** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **C5A087**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **BEE3FE**, and **53788F** is the 20% darker color. If you saturate the color by 10%, you get **73A4C5**, and if you desaturate by 10%, it is **9BB4C5**.

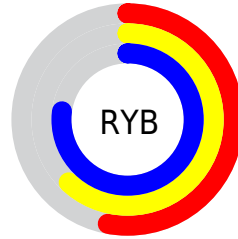
Distribution



Red (53%)

Green (67%)

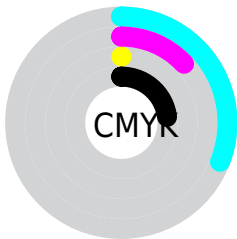
Blue (77%)



Red (53%)

Yellow (62%)

Blue (77%)

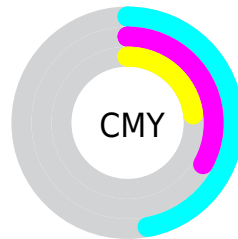


Cyan (31%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (47%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87ACC5 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 Hex color 87ACC5 by changing the saturation by 10% instead.

87ACC5

87ACC5

FFFFFF

6D91AA

BEE3FE

53788F

DAFFFF

3A5F76

F7FFFF

20475D

013145

001C2F

00011A

000000

87ACC5

87ACC5

73A4C5

9BB4C5

609CC5

AEBC5

4C94C5

C2C4C5

388CC5

D6CCC5

2584C5

EAD4C5

117CC5

FDDCC5

0076C5

FFE4C5

FFECC5

FFF3C5

Harmonies

Analogous

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



7CAFBB



87ACC5



9BA7C7

Triad

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



87ACC5



C99CA3



9CAC8D

Complementary

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



87ACC5



C5A087

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.



AFA887



87ACC5



C89E93

Square

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



87ACC5



C09DB3



BEA289



8BB09B

Rectangle

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



87ACC5



A9A3C4



BEA289



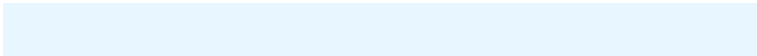
A3AB8A

Sweetspot

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



87ACC5



E8F6FF



87C5A0



717A80



000000



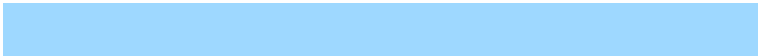
808080

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87ACC5



9ED8FF



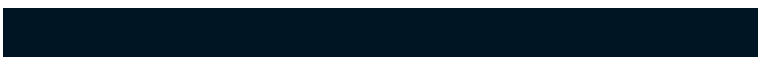
878DC5



5A5F63



0061A3



001524

Inverse Universe

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



C587AC



FF9ED8



C5BF87



635A5F



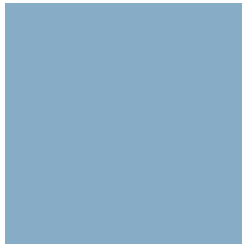
A30061



240015

Previews

White Background



This preview shows how the Hex color 87ACC5 looks on a white background.

Color Contrast Check

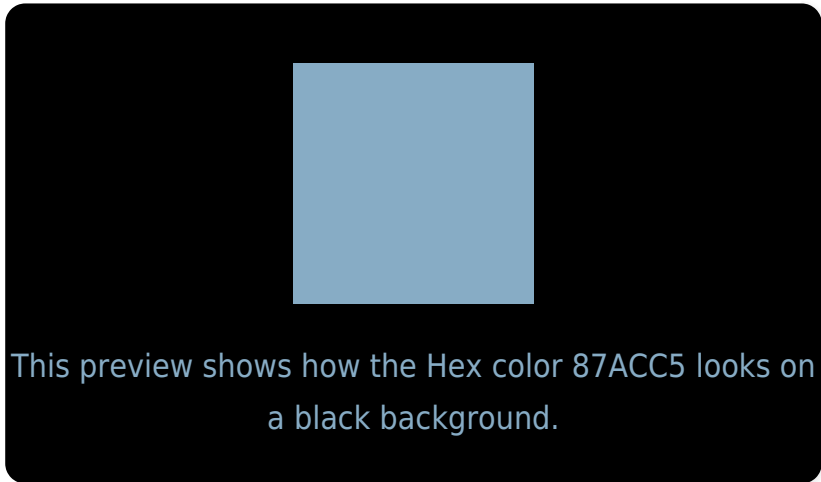
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

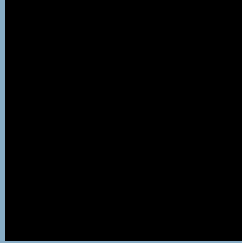
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

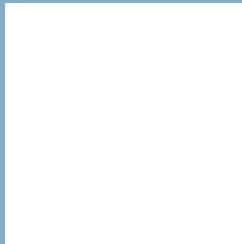
Any Text WCAG AAA ✓ Pass

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

Hex 87ACC5 Background



This preview shows how black text looks on a background with the Hex color 87ACC5.

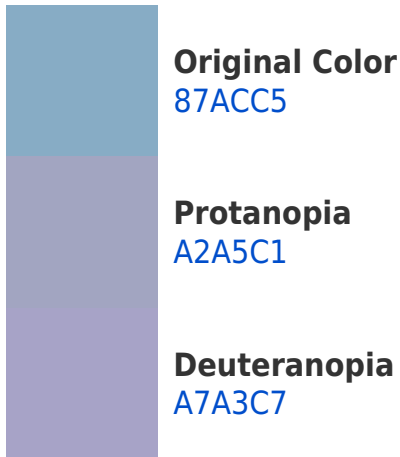


This preview shows how white text looks on a background with the Hex color 87ACC5.

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](#).

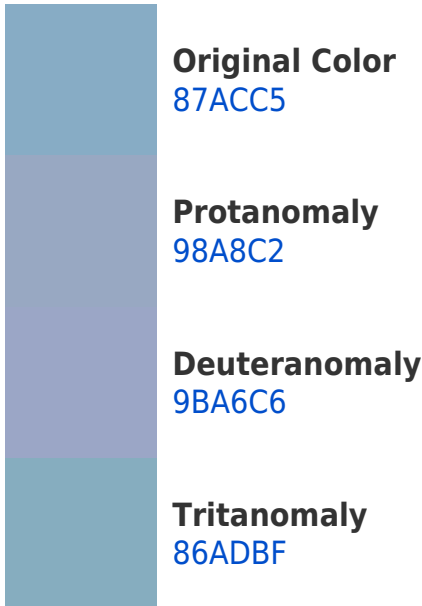
Dichromacy



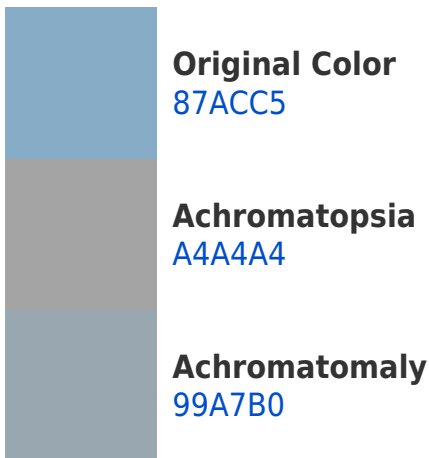


Tritanopia
85AEBB

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87ACC5 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 #87ACC5 looks like.

```
.text, #text, p{  
    color:#87ACC5  
}
```

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 #87ACC5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87ACC5  
}
```

Border

The CSS property to change the border of an element to Hex 87ACC5 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  
#87ACC5 }
```

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

```
.border{ border-color:#87ACC5 }
```

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

Here you see how a box with a 4 pixel #87ACC5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87ACC5; -webkit-box-shadow:4px 4px  
4px 4px #87ACC5; box-shadow:4px 4px 4px  
4px #87ACC5 }
```

Background

The CSS property to change the background color of an element to Hex 87ACC5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87ACC5 }
```

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

```
.background{ background-color:#87ACC5 }
```

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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