

Converting Colors

Hex(80A5EC)

Have a look what the booklet for
Hex(80A5EC) contains.

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Color

Hex(80A5EC)

Conversions

Conversions Part 1

Format	Color
Hex	80A5EC
RGB	128, 165, 236
RGB Percent	50%, 65%, 93%
CMY	0.4980, 0.3529, 0.0745
CMYK	0.46, 0.30, 0.00, 0.07
HSL	219°, 74%, 71%
HSV	219°, 46%, 93%
XYZ	37.4975, 37.5556, 84.6295
YIQ	162.0310, -44.8430, 14.2370

Conversions

Conversions Part 2

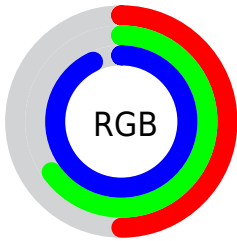
Format	Color
R _Y B	128, 156, 236
Decimal	8431084
CIE Lab	67.69, 5.97, -39.59
CIE LCh	68, 40.038, 278.577
Yxy	37.5556, 0.2348, 0.2352
Android (android.graphics.Color)	4286621164 (0xFF80A5EC)
YUV	162.0310, 36.4667, -29.8452
Hunter-Lab	61.2826, 1.9758, -38.9799

Details

The Hex color **80A5EC** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **ECC780**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **B9DCFF**, and **4772B4** is the 20% darker color. If you saturate the color by 10%, you get **6895EC**, and if you desaturate by 10%, it is **98B5EC**.

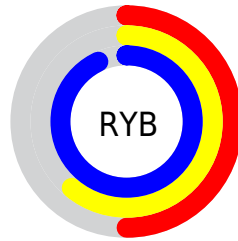
Distribution



Red (50%)

Green (65%)

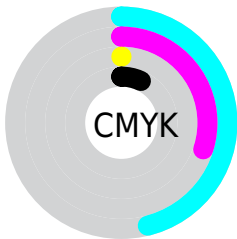
Blue (93%)



Red (50%)

Yellow (61%)

Blue (93%)

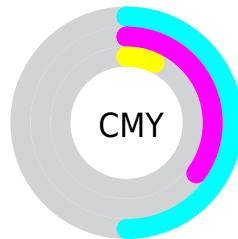


Cyan (46%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (50%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Hex color 80A5EC 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 80A5EC by changing the saturation by 10% instead.

 80A5EC

 80A5EC

FFFFFF

 648BD0

 B9DCFF

 4772B4

 D6F8FF

 275999

 F3FFFF

 00427F

 002D65

 00194D

 000536

 00021F

 000003

 80A5EC

 80A5EC

 6895EC

 98B5EC

 5186EC

 AFC4EC

 3976EC

 C7D4EC

 2267EC

 DEE3EC

 0A57EC

 F6F3EC

 0051EC

 FFFFEC

Harmonies

Analogous

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



37B0E7



80A5EC



B698DD

Triad

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



80A5EC



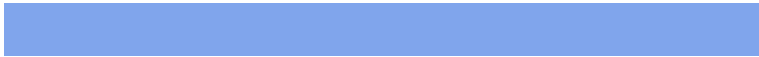
E68E7A



5DB689

Complementary

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



80A5EC



ECC780

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.



8BB06B



80A5EC



D29A62

Square

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



80A5EC



EA889C



B2A65C



17B8AE

Rectangle

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



80A5EC



D18FCB



B2A65C



6DB47E

Sweetspot

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



80A5EC



DBE8FF



80ECC6



6A7180



000000



808080

Same Dimension

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



80A5EC



73A3FF



9080EC



6A6E75



003EB5



001236

Inverse Universe

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



EC80A5



FF73A3



DCEC80



756A6E



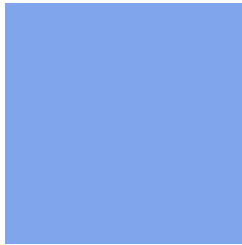
B5003E



360012

Previews

White Background



This preview shows how the Hex color 80A5EC looks on a white background.

Color Contrast Check

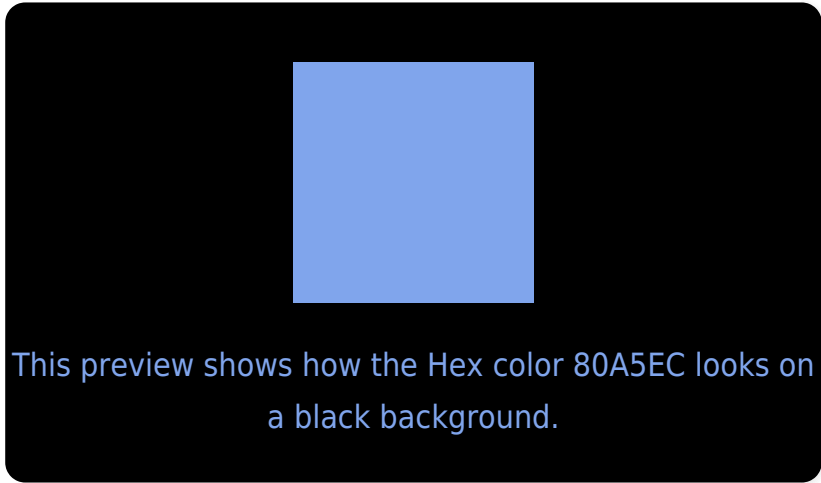
Large Text (above 18pt) WCAG AA × Fail

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

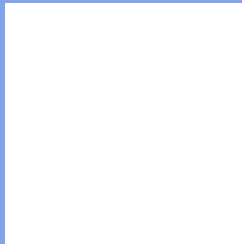
Any Text WCAG AAA ✓ Pass

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

Hex 80A5EC Background



This preview shows how black text looks on a background with the Hex color 80A5EC.



This preview shows how white text looks on a background with the Hex color 80A5EC.

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
80A5EC

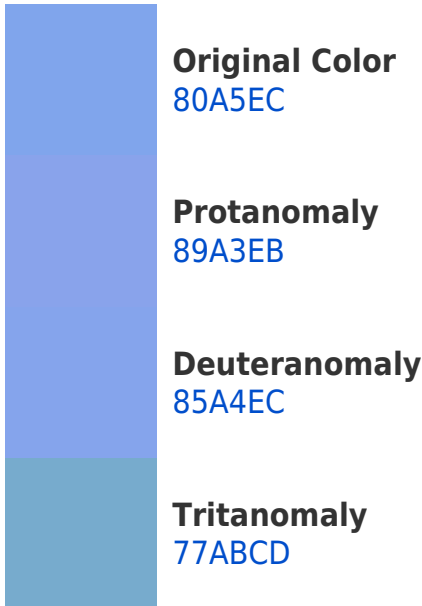
Protanopia
8EA2EA

Deuteranopia
88A3EC

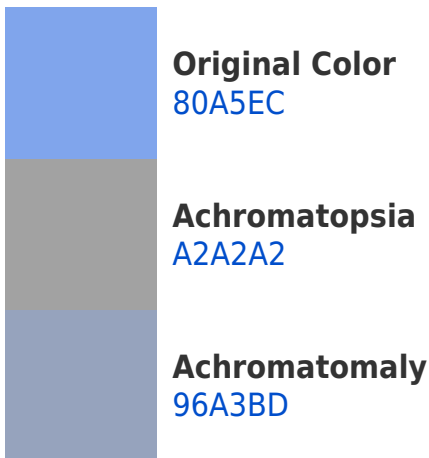


Tritanopia
72AEB3

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 80A5EC 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 #80A5EC looks like.

```
.text, #text, p{  
    color:#80A5EC  
}
```

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 #80A5EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80A5EC
}
```

Border

The CSS property to change the border of an element to Hex 80A5EC 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
#80A5EC }
```

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

```
.border{ border-color:#80A5EC }
```

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

Here you see how a box with a 4 pixel #80A5EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80A5EC; -webkit-box-shadow:4px 4px  
4px 4px #80A5EC; box-shadow:4px 4px 4px  
4px #80A5EC }
```

Background

The CSS property to change the background color of an element to Hex 80A5EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80A5EC }
```

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

```
.background{ background-color:#80A5EC }
```

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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