

# Converting Colors

Hex(087BDE)

Have a look what the booklet for  
Hex(087BDE) contains.

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# Color

**Hex(087BDE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	087BDE
RGB	8, 123, 222
RGB Percent	3%, 48%, 87%
CMY	0.9686, 0.5176, 0.1294
CMYK	0.96, 0.45, 0.00, 0.13
HSL	208°, 93%, 45%
HSV	208°, 96%, 87%
XYZ	20.3679, 19.4915, 71.7960
YIQ	99.9010, -100.3190, 6.4090

# Conversions

## Conversions Part 2

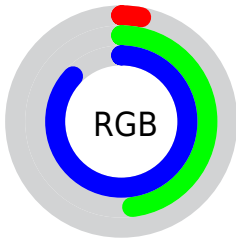
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">8, 83, 222</a>
Decimal	<a href="#">555998</a>
CIELab	<a href="#">51.26, 9.31, -58.12</a>
CIElCh	<a href="#">51, 58.857, 279.097</a>
Yxy	<a href="#">19.4915, 0.1824, 0.1746</a>
Android (android.graphics.Color)	<a href="#">4278746078 (0xFF087BDE)</a>
YUV	<a href="#">99.9010, 60.1948, -80.5972</a>
Hunter-Lab	<a href="#">44.1491, 5.0888, -65.5138</a>

# Details

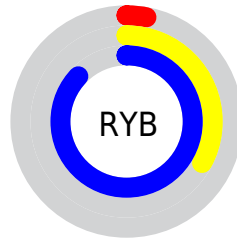
The Hex color **087BDE** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **DE6B08**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **69AFFF**, and **004BA6** is the 20% darker color. If you saturate the color by 10%, you get **0077DE**, and if you desaturate by 10%, it is **1E85DE**.

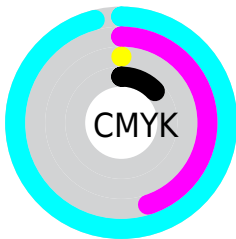
# Distribution



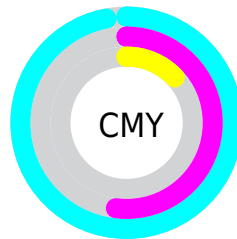
- Red (3%)
- Green (48%)
- Blue (87%)



- Red (3%)
- Yellow (33%)
- Blue (87%)



- Cyan (96%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (97%)
- Magenta (52%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 087BDE 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 087BDE by changing the saturation by 10% instead.



 087BDE

 087BDE

FFFFFF

 0063C2

 69AFFE

 004BA6

 89CAFF

 00368B

 A9E6FF

 002271

 C8FFFF

 000A58

 E7FFFF

 000740

 000329

 000113

 000000

■ 087BDE

■ 087BDE

■ 0077DE

■ 1E85DE

■ 3490DE

■ 4B9ADE

■ 61A4DE

■ 77AEDE

■ 8DB9DE

■ A3C3DE

■ BACDDE

■ D0D7DE

# Harmonies

## Analogous

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



0089D8



087BDE



8F66C9

# Triad

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



087BDE



CB553D



008F54

# Complementary

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



087BDE



DE6B08

# 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.



4D8923



087BDE



AE6A11

# Square

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



087BDE



D4466D



847D00



009189

# Rectangle

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



087BDE



B556AF



847D00



008D43

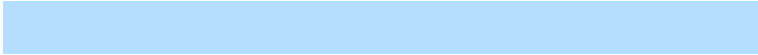


# Sweetspot

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



087BDE



B5DDFF



08DE68



536B80



000000



808080



# Same Dimension

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



087BDE



0089FF



0813DE



656B70



005FB0



001A30



# Inverse Universe

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



DE087B



FF0089



DED308



70656B



B0005F



30001A



# Previews

## White Background



This preview shows how the Hex color 087BDE looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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

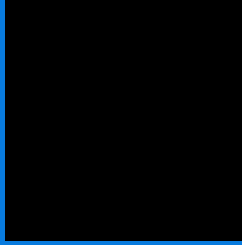
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

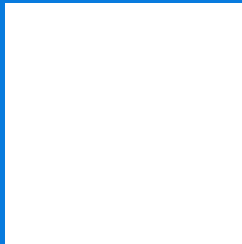
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 087BDE Background



This preview shows how black text looks on a background with the Hex color 087BDE.



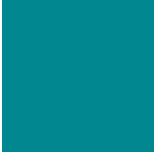
This preview shows how white text looks on a background with the Hex color 087BDE.

# 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](#).

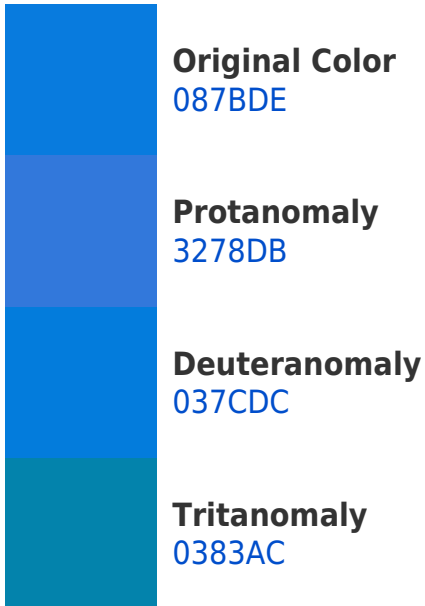
## Dichromacy





**Tritanopia**  
008790

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 087BDE 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 #087BDE looks like.

```
.text, #text, p{  
  color:#087BDE  
}
```

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 #087BDE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #087BDE
}
```

## Border

The CSS property to change the border of an element to Hex 087BDE 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
#087BDE }
```

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

```
.border{ border-color:#087BDE }
```

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

Here you see how a box with a 4 pixel #087BDE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #087BDE; -webkit-box-shadow:4px 4px  
4px 4px #087BDE; box-shadow:4px 4px 4px  
4px #087BDE }
```

# Background

The CSS property to change the background color of an element to Hex 087BDE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#087BDE }
```

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

```
.background{ background-color:#087BDE }
```

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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