

Converting Colors

Hex(0087E0)

Have a look what the booklet for
Hex(0087E0) contains.

Hex(0087E0)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0087E0)

Conversions

Conversions Part 1	
Format	Color
Hex	0087E0
RGB	0, 135, 224
RGB Percent	0%, 53%, 88%
CMY	1.0000, 0.4706, 0.1216
CMYK	1.00, 0.40, 0.00, 0.12
HSL	204°, 100%, 44%
HSV	204°, 100%, 88%
XYZ	22.1185, 22.7098, 73.7387
YIQ	104.7810, -109.0290, -0.9410

Conversions

Conversions Part 2

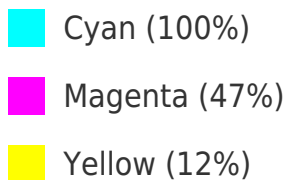
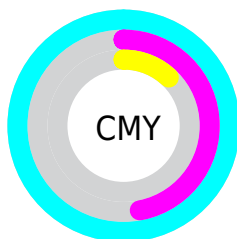
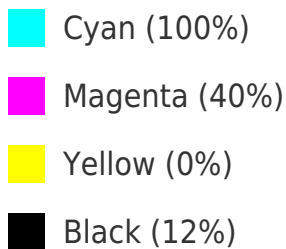
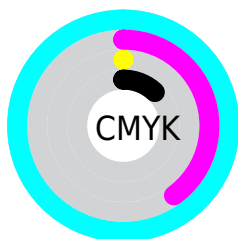
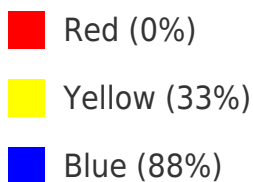
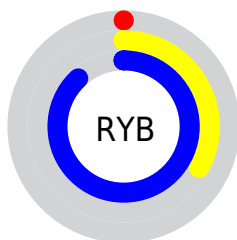
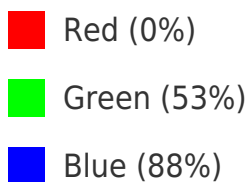
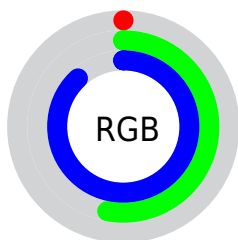
Format	Color
RYB	0, 84, 224
Decimal	34784
CIELab	54.77, 2.49, -53.61
CIELCh	55, 53.671, 272.662
Yxy	22.7098, 0.1865, 0.1915
Android (android.graphics.Color)	4278224864 (0xFF0087E0)
YUV	104.7810, 58.7750, -91.8929
Hunter-Lab	47.6548, -0.5467, -58.3841

Details

The Hex color **0087E0** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **E05900**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **68BCFF**, and **0056A8** is the 20% darker color. If you saturate the color by 10%, you get **0087E0**, and if you desaturate by 10%, it is **1690E0**.

Distribution



Brightness & Saturation Gradients

These gradients show how the Hex color 0087E0 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 0087E0 by changing the saturation by 10% instead.

 0087E0

FFFFFF

 68BCFF

 89D7FF

 A8F4FF

 C7FFFF

 E6FFFF

 0087E0

 006EC4

 0056A8

 003F8D

 002B73

 00175A

 000742

 00032B

 000115

 000000

 0087E0

 1690E0

 2D99E0

 43A2E0

 5AABE0

 70B3E0

 86BCE0

 9DC5E0

 B3CEE0

 CAD7E0

Harmonies

Analogous

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



0093D5



0087E0



8975D2

Triad

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



0087E0



D35F54



179656

Complementary

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



0087E0



E05900

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.



688F2E



0087E0



BD712F

Square

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



0087E0



D65781



97821C



009986

Rectangle

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



0087E0



B068BC



97821C



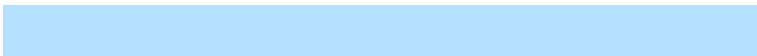
3D9448

Sweetspot

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



0087E0



B3E1FF



00E056



526D80



000000



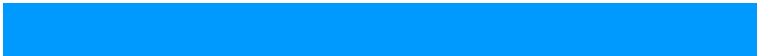
808080

Same Dimension

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



0087E0



009AFF



001AE0



656C70



006AB0



001D30

Inverse Universe

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



E00087



FF009A



E0C600



70656C



B0006A



30001D

Previews

White Background



This preview shows how the Hex color 0087E0 looks on a white background.

Color Contrast Check

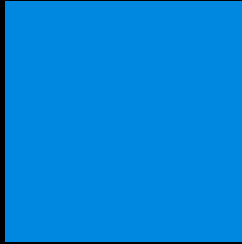
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Hex color 0087E0 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 × Fail

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

Hex 0087E0 Background



This preview shows how black text looks on a background with the Hex color 0087E0.

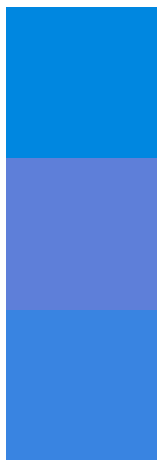


This preview shows how white text looks on a background with the Hex color 0087E0.

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
0087E0


Protanopia
5E7FD9

Deuteranopia
3984E1





Tritanopia
00919B

Trichromacy

	Original Color 0087E0
	Protanomaly 3C82DC
	Deuteranomaly 2485E1
	Tritanomaly 008DB4

Monochromacy

	Original Color 0087E0
	Achromatopsia 696969
	Achromatomaly 437494

CSS Examples

Text

The CSS property to change the color of the text to Hex 0087E0 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 #0087E0 looks like.

```
.text, #text, p{  
    color:#0087E0  
}
```

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 #0087E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0087E0
}
```

Border

The CSS property to change the border of an element to Hex 0087E0 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
#0087E0 }
```

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

```
.border{ border-color:#0087E0 }
```

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

Here you see how a box with a 4 pixel #0087E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0087E0; -webkit-box-shadow:4px 4px  
4px 4px #0087E0; box-shadow:4px 4px 4px  
4px #0087E0 }
```

Background

The CSS property to change the background color of an element to Hex 0087E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0087E0 }
```

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

```
.background{ background-color:#0087E0 }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor