

# Converting Colors

Hex(0090E1)

Have a look what the booklet for  
Hex(0090E1) contains.

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# Color

**Hex(0090E1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0090E1
RGB	0, 144, 225
RGB Percent	0%, 56%, 88%
CMY	1.0000, 0.4353, 0.1176
CMYK	1.00, 0.36, 0.00, 0.12
HSL	202°, 100%, 44%
HSV	202°, 100%, 88%
XYZ	23.5639, 25.3828, 74.8916
YIQ	110.1780, -111.8250, -5.3370

# Conversions

## Conversions Part 2

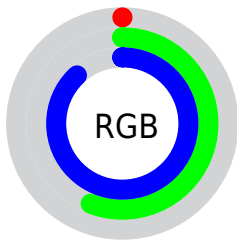
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 88, 225
Decimal	37089
CIELab	57.45, -2.48, -49.91
CIELCh	57, 49.974, 267.160
Yxy	25.3828, 0.1903, 0.2050
Android (android.graphics.Color)	4278227169 (0xFF0090E1)
YUV	110.1780, 56.6072, -96.6261
Hunter-Lab	50.3813, -4.6810, -52.8674

# Details

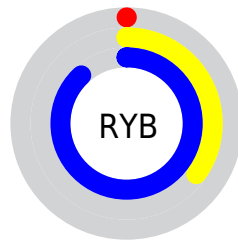
The Hex color **0090E1** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **E15100**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **68C5FF**, and **005EA9** is the 20% darker color. If you saturate the color by 10%, you get **0090E1**, and if you desaturate by 10%, it is **1698E1**.

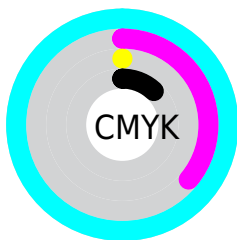
# Distribution



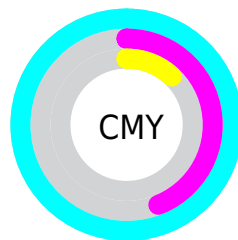
- Red (0%)
- Green (56%)
- Blue (88%)



- Red (0%)
- Yellow (35%)
- Blue (88%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (44%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0090E1 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 0090E1 by changing the saturation by 10% instead.



 0090E1

 0090E1

FFFFFF

 0077C5

 68C5FF

 005EA9

 89E1FF

 00478E

 A9FEFF

 003174

 C8FFFF

 001D5B

 E7FFFF

 000743

 00032C

 000116

 000000

■ 0090E1

■ 1698E1

■ 2DA0E1

■ 44A8E1

■ 5AB0E1

■ 71B9E1

■ 87C1E1

■ 9DC9E1

■ B4D1E1

■ CBD9E1

# Harmonies

## Analogous

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



009AD3



0090E1



8580D8

# Triad

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



0090E1



D96765



419B59

# Complementary

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



0090E1



E15100

# 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.



7B9337



0090E1



C77641

# Square

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



0090E1



D76390



A6862E



009F84

# Rectangle

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



0090E1



AC74C6



A6862E



57994C

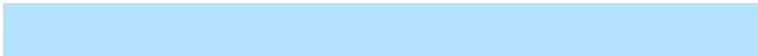


# Sweetspot

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



0090E1



B3E3FF



00E14F



526F80



000000



808080



# Same Dimension

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



0090E1



00A3FF



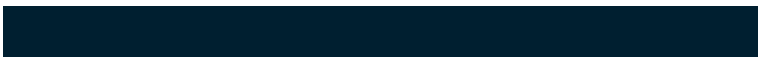
0022E1



656C70



0071B0



001F30



# Inverse Universe

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



E10090



FF00A3



E1BF00



70656C



B00071



30001F



# Previews

## White Background



This preview shows how the Hex color 0090E1 looks on a white background.

## Color Contrast Check

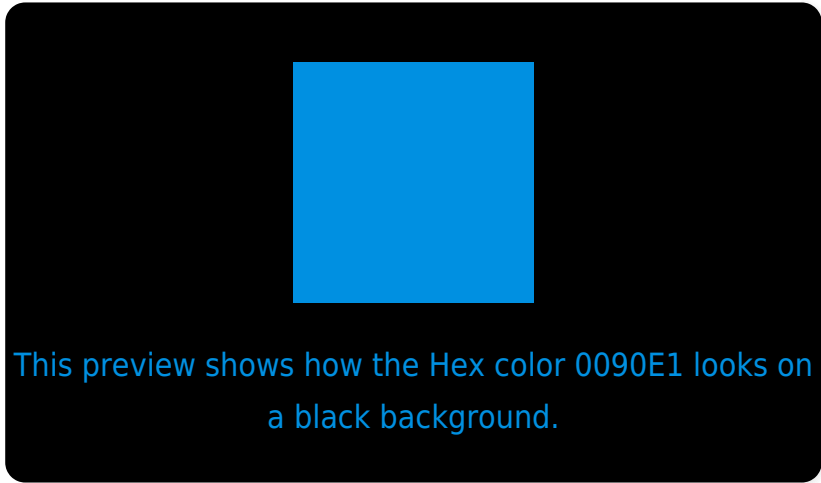
Large Text (above 18pt) WCAG AA ✓ Pass

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

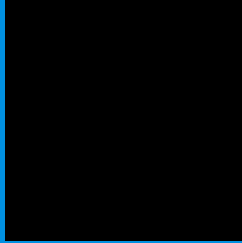
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0090E1 Background



This preview shows how black text looks on a background with the Hex color 0090E1.

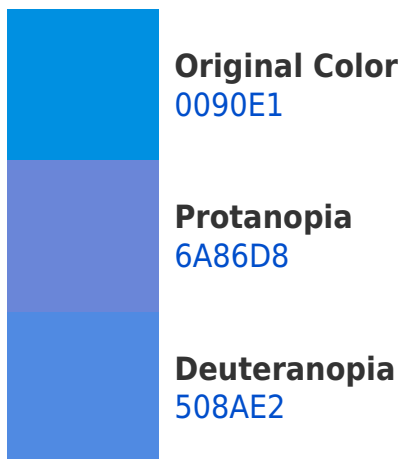


This preview shows how white text looks on a background with the Hex color 0090E1.

# 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](#).

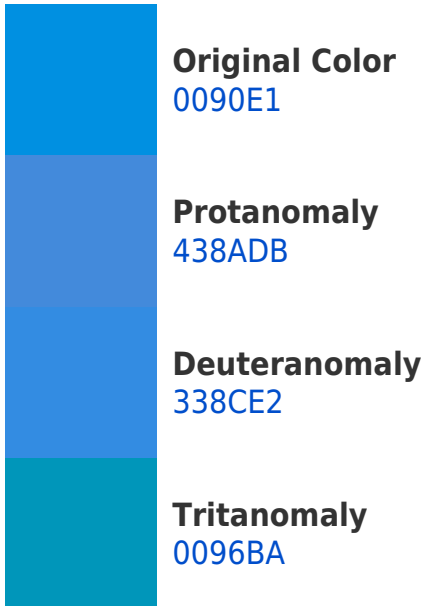
## Dichromacy





**Tritanopia**  
0099A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0090E1 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 #0090E1 looks like.

```
.text, #text, p{  
    color:#0090E1  
}
```

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 #0090E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0090E1
}
```

## Border

The CSS property to change the border of an element to Hex 0090E1 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
#0090E1 }
```

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

```
.border{ border-color:#0090E1 }
```

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

Here you see how a box with a 4 pixel #0090E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0090E1; -webkit-box-shadow:4px 4px  
4px 4px #0090E1; box-shadow:4px 4px 4px  
4px #0090E1 }
```

# Background

The CSS property to change the background color of an element to Hex 0090E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0090E1 }
```

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

```
.background{ background-color:#0090E1 }
```

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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