

# Converting Colors

Hex(64AFDE)

Have a look what the booklet for  
Hex(64AFDE) contains.

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# **Color**

**Hex(64AFDE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64AFDE
RGB	100, 175, 222
RGB Percent	39%, 69%, 87%
CMY	0.6078, 0.3137, 0.1294
CMYK	0.55, 0.21, 0.00, 0.13
HSL	203°, 65%, 63%
HSV	203°, 55%, 87%
XYZ	33.7703, 38.6432, 74.7862
YIQ	157.9330, -59.7870, -1.2830

# Conversions

## Conversions Part 2

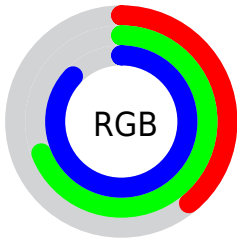
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 146, 222
Decimal	6598622
CIELab	68.49, -10.05, -30.79
CIELCh	68, 32.386, 251.913
Yxy	38.6432, 0.2294, 0.2625
Android (android.graphics.Color)	4284788702 (0xFF64AFDE)
YUV	157.9330, 31.5850, -50.8072
Hunter-Lab	62.1637, -11.8165, -27.8145

# Details

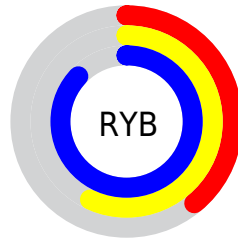
The Hex color **64AFDE** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **DE9364**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **9EE6FF**, and **217BA7** is the 20% darker color. If you saturate the color by 10%, you get **4EA6DE**, and if you desaturate by 10%, it is **7AB8DE**.

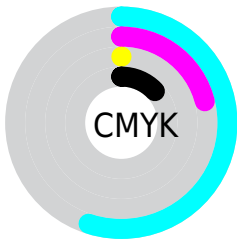
# Distribution



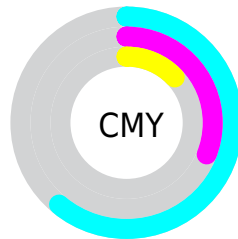
- Red (39%)
- Green (69%)
- Blue (87%)



- Red (39%)
- Yellow (57%)
- Blue (87%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (61%)
- Magenta (31%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64AFDE 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 64AFDE by changing the saturation by 10% instead.



■ 64AFDE

■ 64AFDE

FFFFFF

■ 4694C2

■ 9EE6FF

■ 217BA7

■ BBFFFF

■ 00628C

■ D9FFFF

■ 004A72

■ F7FFFF

■ 00345A

■ 001F42

■ 00032C

■ 000116

■ 000000

■ 64AFDE

■ 64AFDE

■ 4EA6DE

■ 7AB8DE

■ 389EDE

■ 90C0DE

■ 2195DE

■ A7C9DE

■ 0B8DDE

■ BDD1DE

■ 0088DE

■ D3DADE

■ E9E2DE

■ FFEBDE

■ FFF3DE

■ FFFCDE

# Harmonies

## Analogous

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



44B5CD



64AFDE



91A6E0

# Triad

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



64AFDE



E1919C



8FB17B

# Complementary

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



64AFDE



DE9364

# 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.



AFA96D



64AFDE



DC9681

# Square

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



64AFDE



D593BA



CB9F70



6CB694

# Rectangle

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



64AFDE



AD9FD9



CB9F70



9AAF75

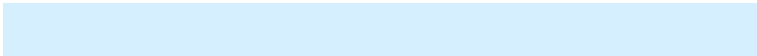


# Sweetspot

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



64AFDE



D6EFFF



64DE93



677680



000000



808080



# Same Dimension

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



64AFDE



57BEFF



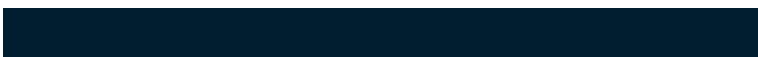
6472DE



656C70



006CB0



001E30



# Inverse Universe

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



DE64AF



FF57BE



DED064



70656C



B0006C



30001E



# Previews

## White Background



This preview shows how the Hex color 64AFDE looks on a white background.

## Color Contrast Check

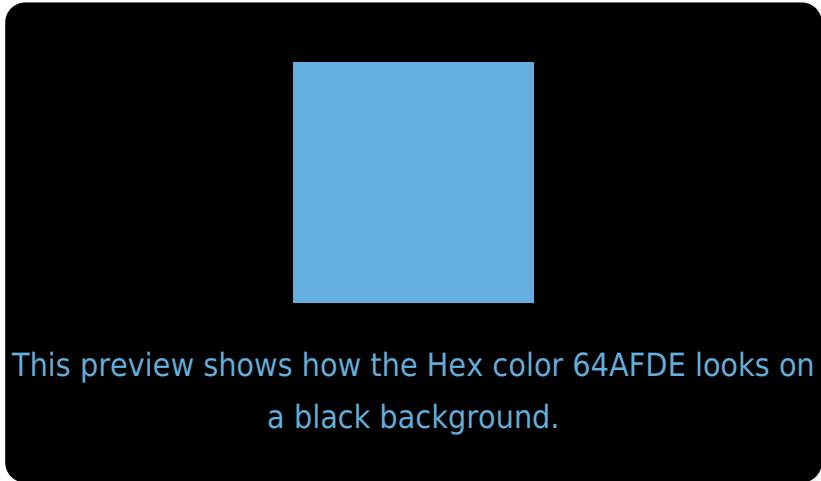
Large Text (above 18pt) WCAG AA × Fail

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

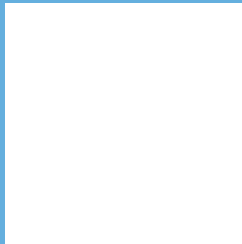
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 64AFDE Background



This preview shows how black text looks on a background with the Hex color 64AFDE.

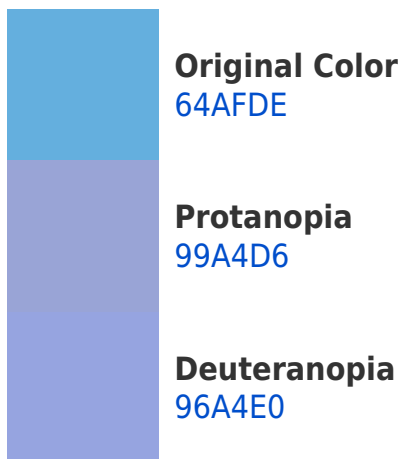


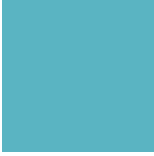
This preview shows how white text looks on a background with the Hex color 64AFDE.

# 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](#).

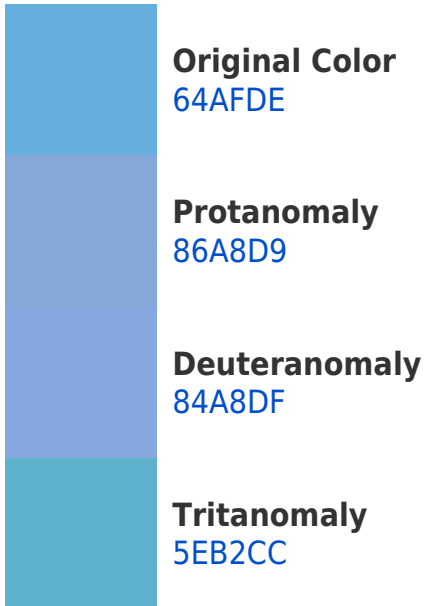
## Dichromacy



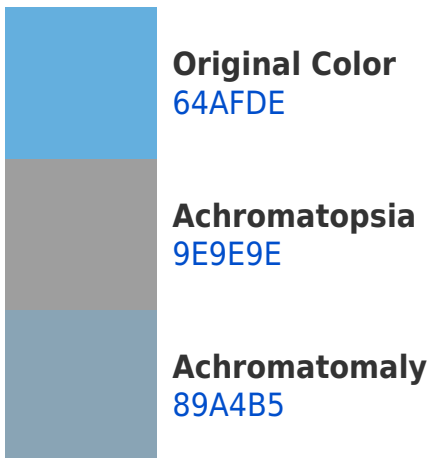


**Tritanopia**  
5AB4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64AFDE 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 #64AFDE looks like.

```
.text, #text, p{  
    color:#64AFDE  
}
```

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 #64AFDE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64AFDE
}
```

## Border

The CSS property to change the border of an element to Hex 64AFDE 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
#64AFDE }
```

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

```
.border{ border-color:#64AFDE }
```

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

Here you see how a box with a 4 pixel #64AFDE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64AFDE; -webkit-box-shadow:4px 4px  
4px 4px #64AFDE; box-shadow:4px 4px 4px  
4px #64AFDE }
```

# Background

The CSS property to change the background color of an element to Hex 64AFDE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64AFDE }
```

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

```
.background{ background-color:#64AFDE }
```

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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