

# Converting Colors

Hex(218ED5)

Have a look what the booklet for  
Hex(218ED5) contains.

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# Color

**Hex(218ED5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	218ED5
RGB	33, 142, 213
RGB Percent	13%, 56%, 84%
CMY	0.8706, 0.4431, 0.1647
CMYK	0.85, 0.33, 0.00, 0.16
HSL	204°, 73%, 48%
HSV	204°, 85%, 84%
XYZ	22.3104, 24.4734, 66.4987
YIQ	117.5030, -87.7550, -1.0270

# Conversions

## Conversions Part 2

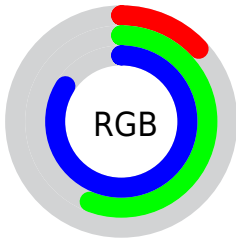
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	33, 101, 213
Decimal	2199253
CIE Lab	56.56, -4.32, -44.59
CIE LCh	57, 44.794, 264.465
Yxy	24.4734, 0.1969, 0.2160
Android (android.graphics.Color)	4280389333 (0xFF218ED5)
YUV	117.5030, 47.0800, -74.1091
Hunter-Lab	49.4706, -6.0730, -45.0686

# Details

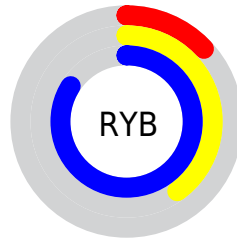
The Hex color **218ED5** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **D56821**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **6EC3FF**, and **005C9E** is the 20% darker color. If you saturate the color by 10%, you get **0C86D5**, and if you desaturate by 10%, it is **3696D5**.

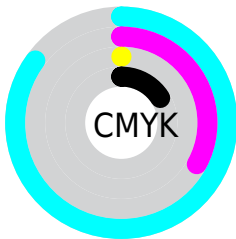
# Distribution



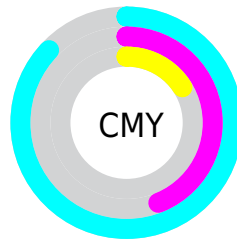
- Red (13%)
- Green (56%)
- Blue (84%)



- Red (13%)
- Yellow (40%)
- Blue (84%)



- Cyan (85%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)



- Cyan (87%)
- Magenta (44%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 218ED5 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 218ED5 by changing the saturation by 10% instead.



■ 218ED5

■ 218ED5

FFFFFF

■ 0075B9

■ 6EC3FF

■ 005C9E

■ 8DDFFF

■ 004583

■ ACFCFF

■ 002F6A

■ CBFFFF

■ 001B51

■ E9FFFF

■ 00053A

■ 000223

■ 00000A

■ 000000

■ 218ED5

■ 218ED5

■ 0C86D5

■ 3696D5

■ 0081D5

■ 4C9FD5

■ 61A7D5

■ 76B0D5

■ 8CB8D5

■ A1C0D5

■ B6C9D5

■ CBD1D5

■ E1DAD5

# Harmonies

## Analogous

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



0097C6



218ED5



7E80CF

# Triad

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



218ED5



D0696A



4F9759

# Complementary

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



218ED5



D56821

# 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.



7F8F3D



218ED5



C17549

# Square

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



218ED5



CC6791



A58337



009B7F

# Rectangle

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



218ED5



A376C0



A58337



60954E

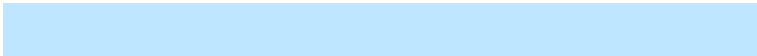


# Sweetspot

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



218ED5



BFE6FF



21D566



597080



000000



808080

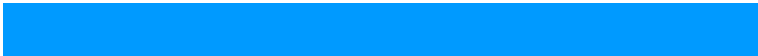


# Same Dimension

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



218ED5



009AFF



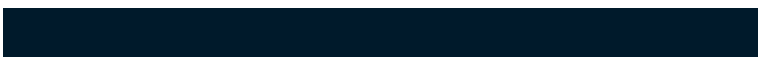
2136D5



60676B



0067AB



001A2B



# Inverse Universe

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



D5218E



FF009A



D5C021



6B6067



AB0067



2B001A



# Previews

## White Background



This preview shows how the Hex color 218ED5 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 218ED5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

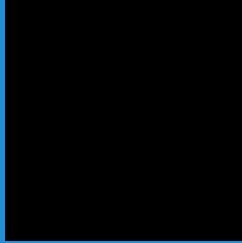
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

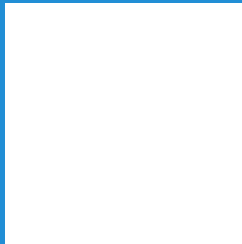
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 218ED5 Background



This preview shows how black text looks on a background with the Hex color 218ED5.

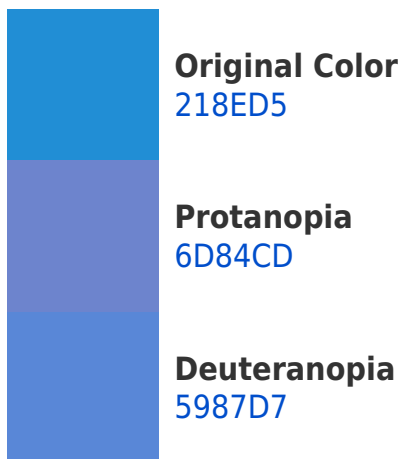


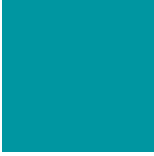
This preview shows how white text looks on a background with the Hex color 218ED5.

# 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](#).

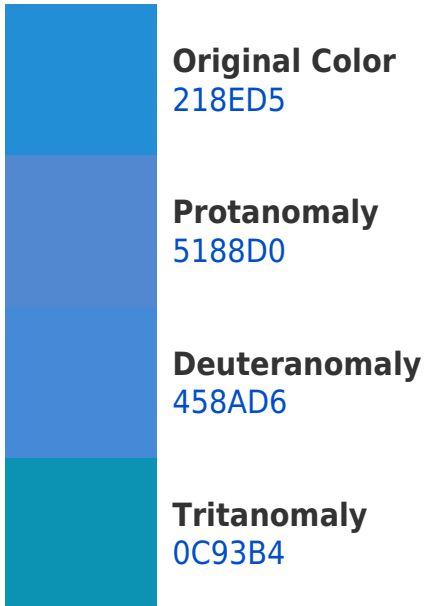
## Dichromacy



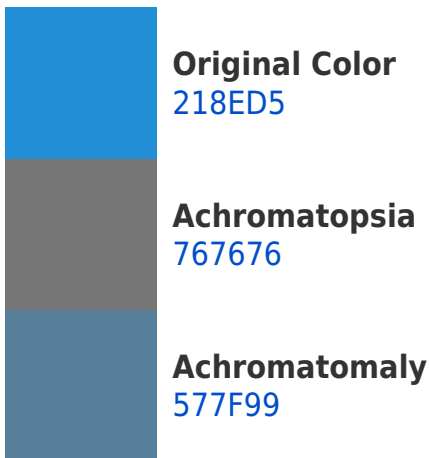


**Tritanopia**  
0096A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 218ED5 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 #218ED5 looks like.

```
.text, #text, p{  
    color:#218ED5  
}
```

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 #218ED5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #218ED5
}
```

## Border

The CSS property to change the border of an element to Hex 218ED5 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
#218ED5 }
```

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

```
.border{ border-color:#218ED5 }
```

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

Here you see how a box with a 4 pixel #218ED5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #218ED5; -webkit-box-shadow:4px 4px  
4px 4px #218ED5; box-shadow:4px 4px 4px  
4px #218ED5 }
```

# Background

The CSS property to change the background color of an element to Hex 218ED5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#218ED5 }
```

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

```
.background{ background-color:#218ED5 }
```

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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