

# Converting Colors

Hex(2A80DF)

Have a look what the booklet for  
Hex(2A80DF) contains.

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# Color

**Hex(2A80DF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A80DF
RGB	42, 128, 223
RGB Percent	16%, 50%, 87%
CMY	0.8353, 0.4980, 0.1255
CMYK	0.81, 0.43, 0.00, 0.13
HSL	211°, 74%, 52%
HSV	211°, 81%, 87%
XYZ	21.9933, 21.2583, 72.7561
YIQ	113.1160, -81.7510, 11.3130

# Conversions

## Conversions Part 2

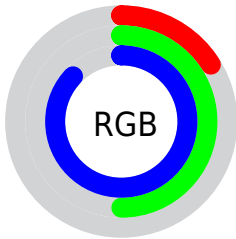
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 100, 223
Decimal	2785503
CIE Lab	53.23, 8.55, -55.49
CIE LCh	53, 56.142, 278.764
Yxy	21.2583, 0.1896, 0.1832
Android (android.graphics.Color)	4280975583 (0xFF2A80DF)
YUV	113.1160, 54.1728, -62.3687
Hunter-Lab	46.1067, 4.4593, -61.2846

# Details

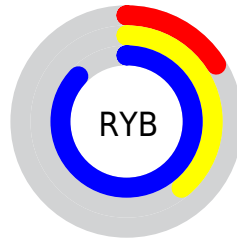
The Hex color **2A80DF** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **DF892A**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **74B4FF**, and **0050A7** is the 20% darker color. If you saturate the color by 10%, you get **1474DF**, and if you desaturate by 10%, it is **408CDF**.

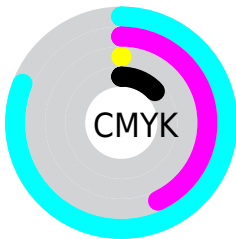
# Distribution



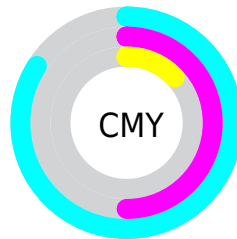
- Red (16%)
- Green (50%)
- Blue (87%)



- Red (16%)
- Yellow (39%)
- Blue (87%)



- Cyan (81%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (84%)
- Magenta (50%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A80DF 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 2A80DF by changing the saturation by 10% instead.



 2A80DF

 2A80DF

FFFFFF

 0067C3

 74B4FF

 0050A7

 94D0FF

 003A8C

 B2ECFF

 002572

 D1FFFF

 001059

 F0FFFF

 000741

 00032A

 000114

 000000

■ 2A80DF

■ 2A80DF

■ 1474DF

■ 408CDF

■ 006ADF

■ 5797DF

■ 6DA3DF

■ 83AFDF

■ 9ABBDF

■ B0C6DF

■ C6D2DF

■ DCDEDF

■ F3E9DF

# Harmonies

## Analogous

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



008ED9



2A80DF



936CCB

# Triad

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



2A80DF



CE5C45



00945A

# Complementary

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



2A80DF



DF892A

# 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.



568D2D



2A80DF



B3701F

# Square

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



2A80DF



D65073



8A810E



00968C

# Rectangle

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



2A80DF



B75EB2



8A810E



1A924A

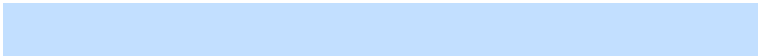


# Sweetspot

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



2A80DF



C2DFFF



2ADF88



5B6C80



000000



808080



# Same Dimension

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



2A80DF



087DFF



2D2ADF



656A70



0054B0



001730



# Inverse Universe

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



DF2A80



FF087D



DCDF2A



70656A



B00054



300017



# Previews

## White Background



This preview shows how the Hex color 2A80DF 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 2A80DF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

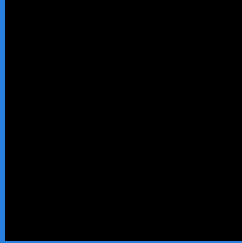
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

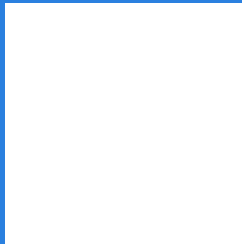
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A80DF Background



This preview shows how black text looks on a background with the Hex color 2A80DF.

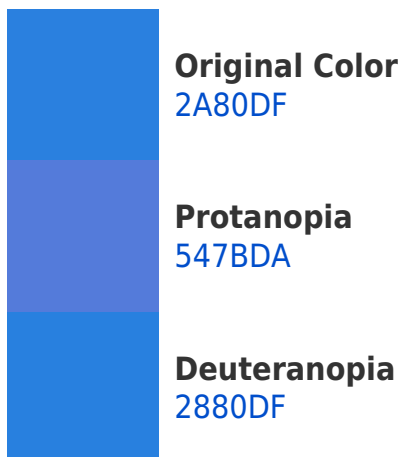


This preview shows how white text looks on a background with the Hex color 2A80DF.

# 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](#).

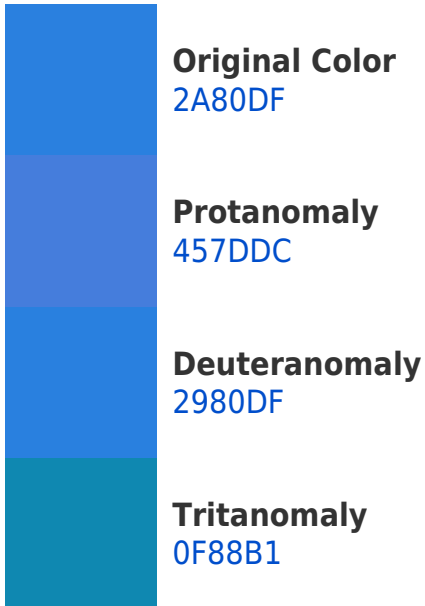
## Dichromacy



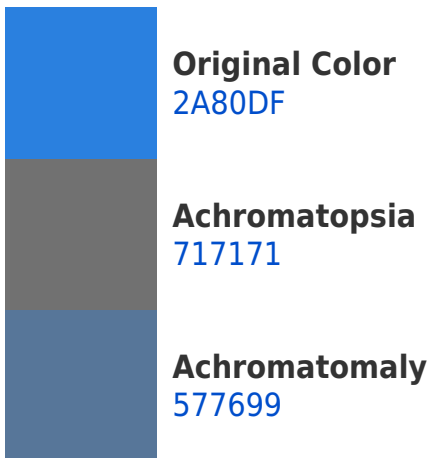


**Tritanopia**  
008C96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A80DF 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 #2A80DF looks like.

```
.text, #text, p{  
    color:#2A80DF  
}
```

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 #2A80DF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A80DF
}
```

## Border

The CSS property to change the border of an element to Hex 2A80DF 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
#2A80DF }
```

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

```
.border{ border-color:#2A80DF }
```

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

Here you see how a box with a 4 pixel #2A80DF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A80DF; -webkit-box-shadow:4px 4px  
4px 4px #2A80DF; box-shadow:4px 4px 4px  
4px #2A80DF }
```

# Background

The CSS property to change the background color of an element to Hex 2A80DF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A80DF }
```

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

```
.background{ background-color:#2A80DF }
```

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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