

# Converting Colors

Hex(2E80D3)

Have a look what the booklet for  
Hex(2E80D3) contains.

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# Color

**Hex(2E80D3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E80D3
RGB	46, 128, 211
RGB Percent	18%, 50%, 83%
CMY	0.8196, 0.4980, 0.1725
CMYK	0.78, 0.39, 0.00, 0.17
HSL	210°, 65%, 50%
HSV	210°, 78%, 83%
XYZ	20.6038, 20.7223, 64.5419
YIQ	112.9440, -75.5150, 8.4290

# Conversions

## Conversions Part 2

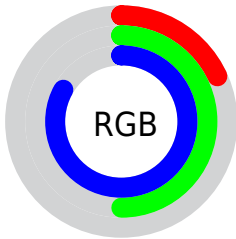
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 101, 211
Decimal	3047635
CIE <sub>Lab</sub>	52.64, 4.48, -49.65
CIE <sub>LCh</sub>	53, 49.855, 275.153
Yxy	20.7223, 0.1946, 0.1957
Android (android.graphics.Color)	4281237715 (0xFF2E80D3)
YUV	112.9440, 48.3416, -58.7099
Hunter-Lab	45.5218, 1.1283, -52.1975

# Details

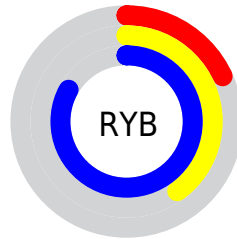
The Hex color **2E80D3** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **D3812E**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **74B4FF**, and **00509C** is the 20% darker color. If you saturate the color by 10%, you get **1975D3**, and if you desaturate by 10%, it is **438BD3**.

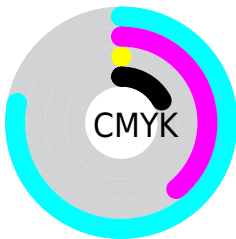
# Distribution



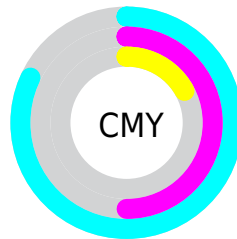
- Red (18%)
- Green (50%)
- Blue (83%)



- Red (18%)
- Yellow (40%)
- Blue (83%)



- Cyan (78%)
- Magenta (39%)
- Yellow (0%)
- Black (17%)



- Cyan (82%)
- Magenta (50%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E80D3 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 2E80D3 by changing the saturation by 10% instead.



 2E80D3

 2E80D3

FFFFFF

 0067B7

 74B4FF

 00509C

 92D0FF

 003981

 B1ECFF

 002568

 CFFFFF

 000F4F

 EDFFFF

 000537

 000221

 000006

 000000

■ 2E80D3

■ 2E80D3

■ 1975D3

■ 438BD3

■ 046BD3

■ 5895D3

■ 0069D3

■ 6DA0D3

■ 82AAD3

■ 98B5D3

■ ADC0D3

■ C2CAD3

■ D7D5D3

■ ECE0D3

# Harmonies

## Analogous

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



008CCB



2E80D3



896FC4

# Triad

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



2E80D3



C75E4F



139058

# Complementary

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



2E80D3



D3812E

# 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.



618933



2E80D3



B16E2E

# Square

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



2E80D3



CB5678



8E7E21



009284

# Rectangle

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



2E80D3



AB63AF



8E7E21



398E4A

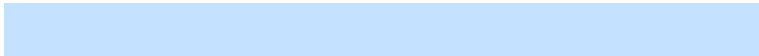


# Sweetspot

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



2E80D3



C4E1FF



2ED380



5C6E80



000000



808080



# Same Dimension

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



2E80D3



0F86FF



2E2ED3



5E6369



0054A8



001429



# Inverse Universe

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



D32E80



FF0F86



D3D32E



695E63



A80054

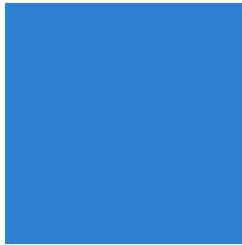


290014



# Previews

## White Background



This preview shows how the Hex color 2E80D3 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 2E80D3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

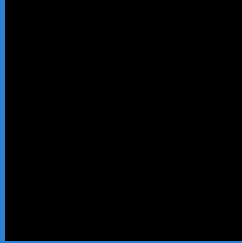
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

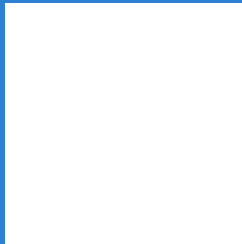
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2E80D3 Background



This preview shows how black text looks on a background with the Hex color 2E80D3.

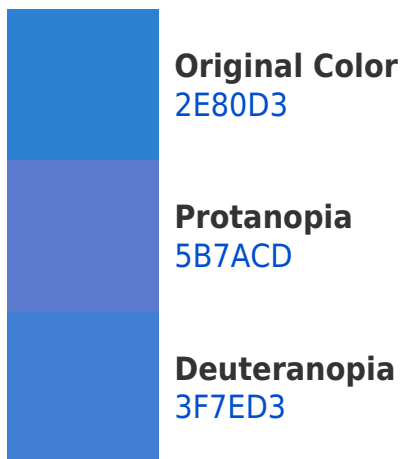


This preview shows how white text looks on a background with the Hex color 2E80D3.

# 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](#).

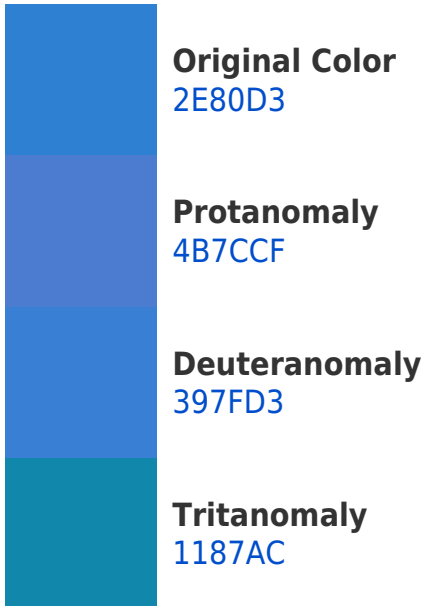
## Dichromacy



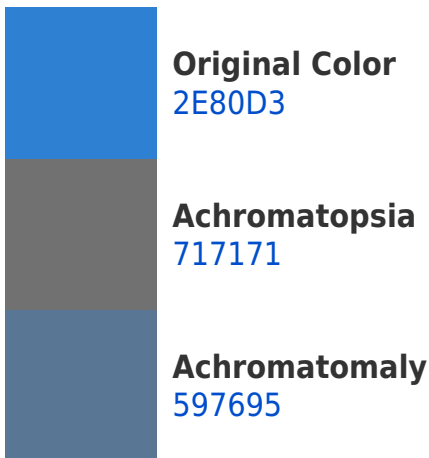


**Tritanopia**  
008B95

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E80D3 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 #2E80D3 looks like.

```
.text, #text, p{  
    color:#2E80D3  
}
```

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 #2E80D3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E80D3
}
```

## Border

The CSS property to change the border of an element to Hex 2E80D3 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
#2E80D3 }
```

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

```
.border{ border-color:#2E80D3 }
```

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

Here you see how a box with a 4 pixel #2E80D3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E80D3; -webkit-box-shadow:4px 4px  
4px 4px #2E80D3; box-shadow:4px 4px 4px  
4px #2E80D3 }
```

# Background

The CSS property to change the background color of an element to Hex 2E80D3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E80D3 }
```

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

```
.background{ background-color:#2E80D3 }
```

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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