

# Converting Colors

Hex(2D86CB)

Have a look what the booklet for  
Hex(2D86CB) contains.

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**Color**

**Hex(2D86CB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D86CB
RGB	45, 134, 203
RGB Percent	18%, 53%, 80%
CMY	0.8235, 0.4745, 0.2039
CMYK	0.78, 0.34, 0.00, 0.20
HSL	206°, 64%, 49%
HSV	206°, 78%, 80%
XYZ	20.3868, 21.9199, 59.6564
YIQ	115.2550, -75.1930, 2.5910

# Conversions

## Conversions Part 2

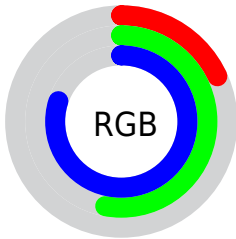
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	45, 102, 203
Decimal	2983627
CIE Lab	53.94, -2.17, -43.07
CIE LCh	54, 43.120, 267.111
Yxy	21.9199, 0.1999, 0.2150
Android (android.graphics.Color)	4281173707 (0xFF2D86CB)
YUV	115.2550, 43.2583, -61.6136
Hunter-Lab	46.8187, -4.2064, -42.7743

# Details

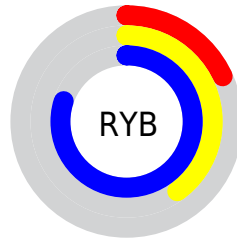
The Hex color **2D86CB** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **CB722D**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **72BBFF**, and **005594** is the 20% darker color. If you saturate the color by 10%, you get **197DCB**, and if you desaturate by 10%, it is **418FCB**.

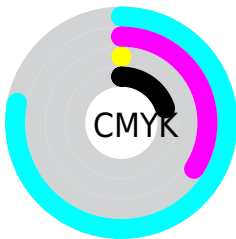
# Distribution



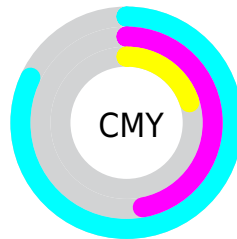
- Red (18%)
- Green (53%)
- Blue (80%)



- Red (18%)
- Yellow (40%)
- Blue (80%)



- Cyan (78%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (47%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D86CB 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 2D86CB by changing the saturation by 10% instead.



■ 2D86CB

■ 2D86CB

FFFFFF

■ 006DAF

■ 72BBFF

■ 005594

■ 90D7FF

■ 003E7A

■ AEF3FF

■ 002961

■ CCFFFF

■ 001549

■ EAFFFF

■ 000432

■ 00011C

■ 000000

■ 2D86CB

■ 2D86CB

■ 197DCB

■ 418FCB

■ 0474CB

■ 5698CB

■ 0072CB

■ 6AA1CB

■ 7EA9CB

■ 93B2CB

■ A7BBCB

■ BBC4CB

■ CFCDCB

■ E4D6CB

# Harmonies

## Analogous

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



008FBF



2D86CB



7D79C3

# Triad

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



2D86CB



C56461



469057

# Complementary

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



2D86CB



CB722D

# 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.



75893C



2D86CB



B67043

# Square

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



2D86CB



C36186



9A7E34



00937C

# Rectangle

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



2D86CB



9F6FB4



9A7E34



578E4C

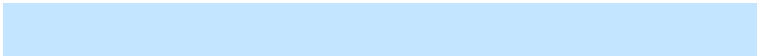


# Sweetspot

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



2D86CB



C4E5FF



2DCB71



5C7080



000000



808080

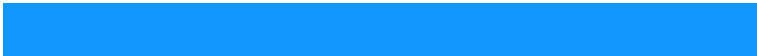


# Same Dimension

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



2D86CB



1297FF



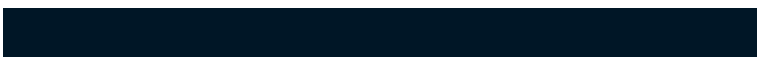
2D38CB



5C6266



005DA6



001626



# Inverse Universe

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



CB2D86



FF1297



CBC02D



665C62



A6005D



260016



# Previews

## White Background



This preview shows how the Hex color 2D86CB looks on a white background.

## Color Contrast Check

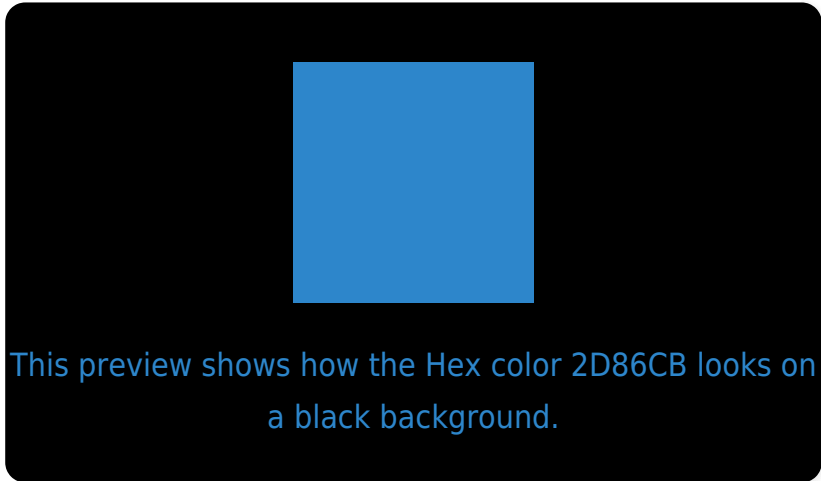
Large Text (above 18pt) WCAG AA ✓ Pass

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

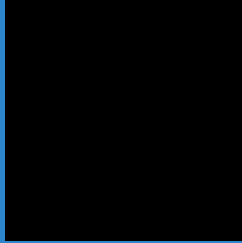
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2D86CB Background



This preview shows how black text looks on a background with the Hex color 2D86CB.

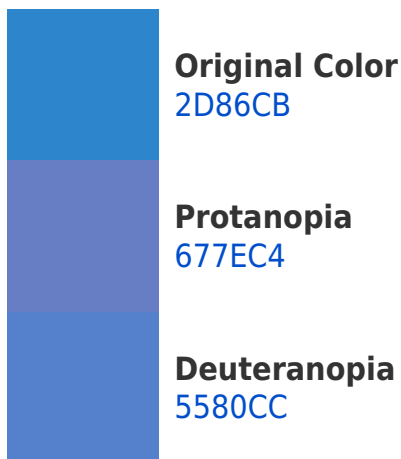


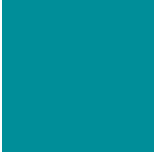
This preview shows how white text looks on a background with the Hex color 2D86CB.

# 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](#).

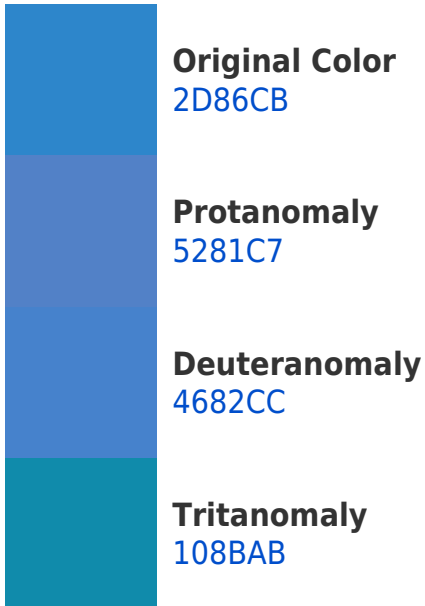
## Dichromacy



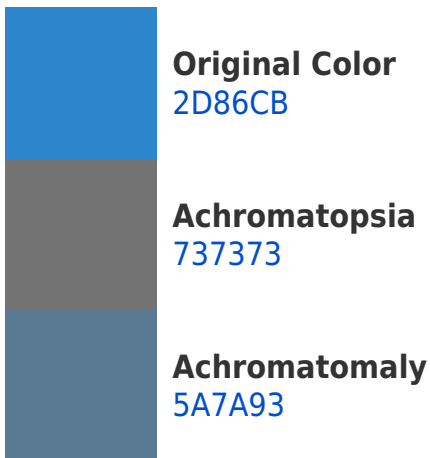


**Tritanopia**  
008E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D86CB 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 #2D86CB looks like.

```
.text, #text, p{  
    color:#2D86CB  
}
```

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 #2D86CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D86CB
}
```

## Border

The CSS property to change the border of an element to Hex 2D86CB 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
#2D86CB }
```

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

```
.border{ border-color:#2D86CB }
```

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

Here you see how a box with a 4 pixel #2D86CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D86CB; -webkit-box-shadow:4px 4px  
4px 4px #2D86CB; box-shadow:4px 4px 4px  
4px #2D86CB }
```

# Background

The CSS property to change the background color of an element to Hex 2D86CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D86CB }
```

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

```
.background{ background-color:#2D86CB }
```

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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