

Converting Colors

Hex(2D96C8)

Have a look what the booklet for
Hex(2D96C8) contains.

Hex(2D96C8)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2D96C8)

Conversions

Conversions Part 1

Format	Color
Hex	2D96C8
RGB	45, 150, 200
RGB Percent	18%, 59%, 78%
CMY	0.8235, 0.4118, 0.2157
CMYK	0.77, 0.25, 0.00, 0.22
HSL	199°, 63%, 48%
HSV	199°, 77%, 78%
XYZ	22.4139, 26.5407, 58.5851
YIQ	124.3050, -78.6300, -6.7100

Conversions

Conversions Part 2

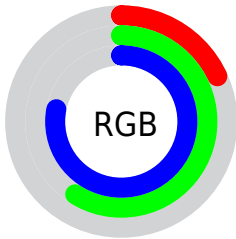
Format	Color
R _Y B	45, 108, 200
Decimal	2987720
CIE Lab	58.55, -12.41, -34.14
CIE LCh	59, 36.327, 250.018
Yxy	26.5407, 0.2084, 0.2468
Android (android.graphics.Color)	4281177800 (0xFF2D96C8)
YUV	124.3050, 37.3176, -69.5505
Hunter-Lab	51.5177, -12.4957, -31.3613

Details

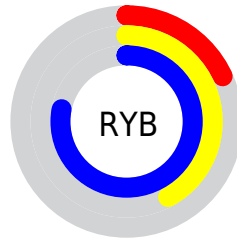
The Hex color **2D96C8** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **C85F2D**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **72CCFF**, and **006392** is the 20% darker color. If you saturate the color by 10%, you get **1990C8**, and if you desaturate by 10%, it is **419CC8**.

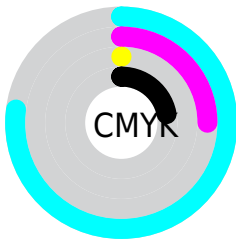
Distribution



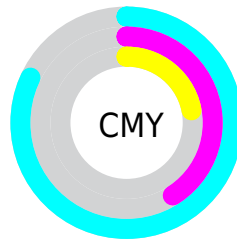
- Red (18%)
- Green (59%)
- Blue (78%)



- Red (18%)
- Yellow (42%)
- Blue (78%)



- Cyan (77%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D96C8 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 2D96C8 by changing the saturation by 10% instead.

 2D96C8

 2D96C8

FFFFFF

 007CAD

 72CCFF

 006392

 90E8FF

 004B78

 AEFFFF

 00355F

 CCFFFF

 002047

 EAFFFF

 000430

 00011B

 000000

 2D96C8

 2D96C8

■ 1990C8

■ 419CC8

■ 0589C8

■ 55A3C8

■ 0087C8

■ 69A9C8

■ 7DB0C8

■ 91B6C8

■ A5BDC8

■ B9C3C8

■ CDCAC8

■ E1D0C8

Harmonies

Analogous

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



009CB5



2D96C8



6F8CCB

Triad

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



2D96C8



CA7383



74975B

Complementary

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



2D96C8



C85F2D

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.



978E4D



2D96C8



C67965

Square

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



2D96C8



BD76A3



B38351



4A9C76

Rectangle

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



2D96C8



9085C4



B38351



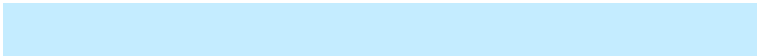
809454

Sweetspot

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



2D96C8



C4ECFF



2DC85E



5C7480



000000



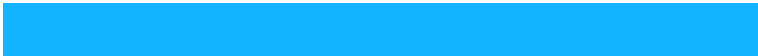
808080

Same Dimension

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



2D96C8



12B3FF



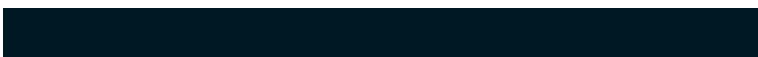
2D49C8



5A6063



006FA3



001824

Inverse Universe

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



C82D96



FF12B3



C8AC2D



635A60



A3006F



240018

Previews

White Background



This preview shows how the Hex color 2D96C8 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 2D96C8 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

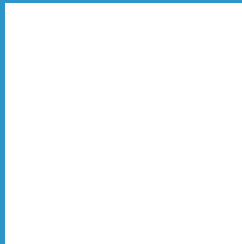
Any Text WCAG AAA × Fail

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

Hex 2D96C8 Background



This preview shows how black text looks on a background with the Hex color 2D96C8.

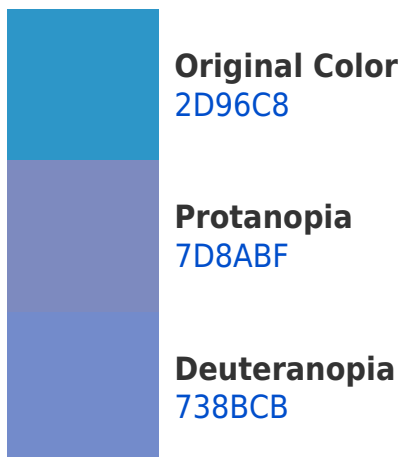


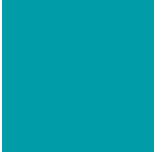
This preview shows how white text looks on a background with the Hex color 2D96C8.

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](#).

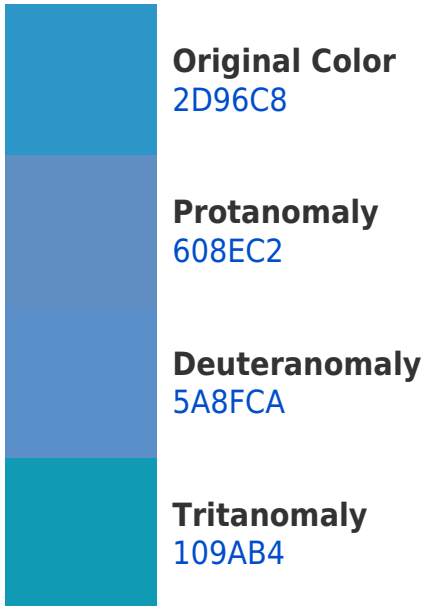
Dichromacy





Tritanopia
009CA8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2D96C8 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 #2D96C8 looks like.

```
.text, #text, p{  
    color:#2D96C8  
}
```

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 #2D96C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D96C8
}
```

Border

The CSS property to change the border of an element to Hex 2D96C8 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
#2D96C8 }
```

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

```
.border{ border-color:#2D96C8 }
```

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

Here you see how a box with a 4 pixel #2D96C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D96C8; -webkit-box-shadow:4px 4px  
4px 4px #2D96C8; box-shadow:4px 4px 4px  
4px #2D96C8 }
```

Background

The CSS property to change the background color of an element to Hex 2D96C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D96C8 }
```

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

```
.background{ background-color:#2D96C8 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor