

# Converting Colors

Hex(2D70D8)

Have a look what the booklet for  
Hex(2D70D8) contains.

<b>Hex(2D70D8)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(2D70D8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D70D8
RGB	45, 112, 216
RGB Percent	18%, 44%, 85%
CMY	0.8235, 0.5608, 0.1529
CMYK	0.79, 0.48, 0.00, 0.15
HSL	216°, 69%, 51%
HSV	216°, 79%, 85%
XYZ	19.2710, 17.1041, 67.2515
YIQ	103.8230, -73.3160, 18.1400

# Conversions

## Conversions Part 2

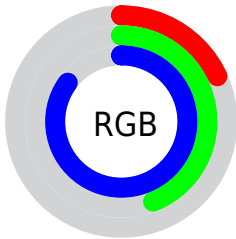
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 93, 216
Decimal	2978008
CIE <sub>Lab</sub>	48.39, 16.19, -59.31
CIE <sub>LCh</sub>	48, 61.476, 285.269
Yxy	17.1041, 0.1860, 0.1651
Android (android.graphics.Color)	4281168088 (0xFF2D70D8)
YUV	103.8230, 55.3033, -51.5878
Hunter-Lab	41.3571, 10.8001, -67.4625

# Details

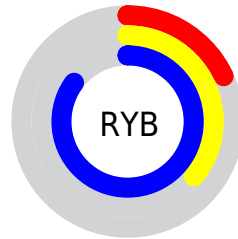
The Hex color **2D70D8** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **D8952D**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **75A3FF**, and **0041A0** is the 20% darker color. If you saturate the color by 10%, you get **1763D8**, and if you desaturate by 10%, it is **437DD8**.

# Distribution



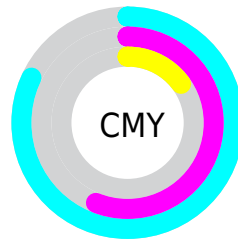
- Red (18%)
- Green (44%)
- Blue (85%)



- Red (18%)
- Yellow (36%)
- Blue (85%)



- Cyan (79%)
- Magenta (48%)
- Yellow (0%)
- Black (15%)



- Cyan (82%)
- Magenta (56%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D70D8 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 2D70D8 by changing the saturation by 10% instead.



■ 2D70D8

■ 2D70D8

FFFFFF

■ 0058BC

■ 75A3FF

■ 0041A0

■ 94BEFF

■ 002C86

■ B2DAFF

■ 001A6C

■ D1F6FF

■ 000453

■ EFFFFFF

■ 00063B

■ 000224

■ 00000C

■ 000000

■ 2D70D8

■ 2D70D8

■ 1763D8

■ 437DD8

■ 0256D8

■ 588AD8

■ 0055D8

■ 6E97D8

■ 83A5D8

■ 99B2D8

■ AFBFD8

■ C4CCD8

■ DAD9D8

■ EFE6D8

# Harmonies

## Analogous

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



0080D8



2D70D8



9658BD

# Triad

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



2D70D8



C0502A



008957

# Complementary

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



2D70D8



D8952D

# 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.



318321



2D70D8



9F6700

# Square

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



2D70D8



CF3B5B



727900



008A8D

# Rectangle

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



2D70D8



B8479F



727900



008745



# Sweetspot

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



2D70D8



C2DAFF



2DD894



5B6980



000000



808080



# Same Dimension

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



2D70D8



0D6CFF



3E2DD8



60656B



0043AB



00112B



# Inverse Universe

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



D82D70



FF0D6C



C7D82D



6B6065



AB0043



2B0011



# Previews

## White Background



This preview shows how the Hex color 2D70D8 looks on a white 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

# Black Background



This preview shows how the Hex color 2D70D8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

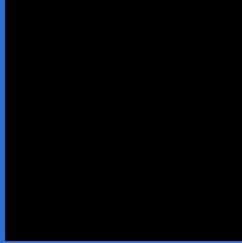
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

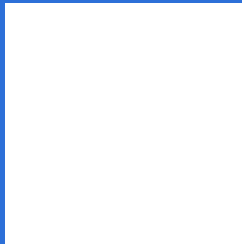
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D70D8 Background



This preview shows how black text looks on a background with the Hex color 2D70D8.

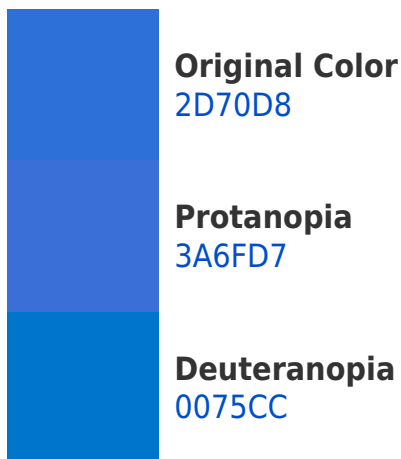


This preview shows how white text looks on a background with the Hex color 2D70D8.

# 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](#).

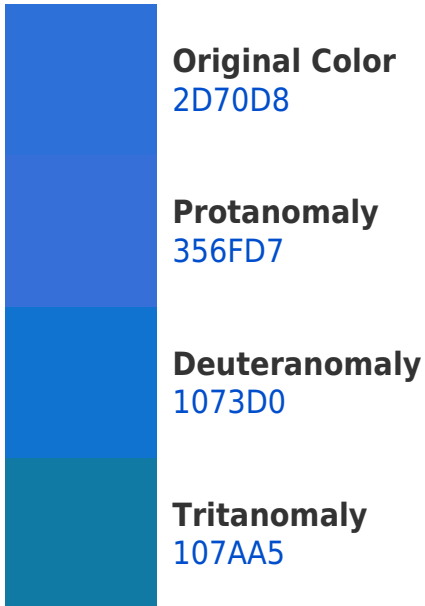
## Dichromacy





**Tritanopia**  
007F88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D70D8 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 #2D70D8 looks like.

```
.text, #text, p{  
    color:#2D70D8  
}
```

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 #2D70D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D70D8
}
```

## Border

The CSS property to change the border of an element to Hex 2D70D8 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
#2D70D8 }
```

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

```
.border{ border-color:#2D70D8 }
```

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

Here you see how a box with a 4 pixel #2D70D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D70D8; -webkit-box-shadow:4px 4px  
4px 4px #2D70D8; box-shadow:4px 4px 4px  
4px #2D70D8 }
```

# Background

The CSS property to change the background color of an element to Hex 2D70D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D70D8 }
```

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

```
.background{ background-color:#2D70D8 }
```

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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