

# Converting Colors

Hex(2A87D5)

Have a look what the booklet for  
Hex(2A87D5) contains.

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# Color

**Hex(2A87D5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A87D5
RGB	42, 135, 213
RGB Percent	16%, 53%, 84%
CMY	0.8353, 0.4706, 0.1647
CMYK	0.80, 0.37, 0.00, 0.16
HSL	207°, 67%, 50%
HSV	207°, 80%, 84%
XYZ	21.6291, 22.6243, 66.1777
YIQ	116.0850, -80.4660, 4.5420

# Conversions

## Conversions Part 2

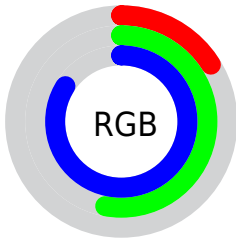
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 102, 213
Decimal	2787285
CIE <sub>Lab</sub>	54.68, 0.59, -47.55
CIE <sub>LCh</sub>	55, 47.549, 270.712
Yxy	22.6243, 0.1959, 0.2049
Android (android.graphics.Color)	4280977365 (0xFF2A87D5)
YUV	116.0850, 47.7791, -64.9725
Hunter-Lab	47.5650, -2.0701, -49.1954

# Details

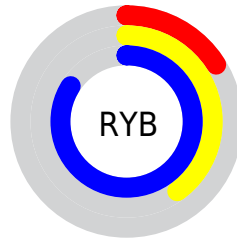
The Hex color **2A87D5** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **D5782A**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **72BCFF**, and **00569E** is the 20% darker color. If you saturate the color by 10%, you get **157DD5**, and if you desaturate by 10%, it is **3F91D5**.

# Distribution



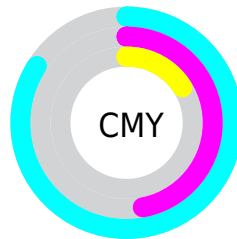
- Red (16%)
- Green (53%)
- Blue (84%)



- Red (16%)
- Yellow (40%)
- Blue (84%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (47%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A87D5 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 2A87D5 by changing the saturation by 10% instead.



■ 2A87D5

■ 2A87D5

FFFFFF

■ 006EB9

■ 72BCFF

■ 00569E

■ 91D7FF

■ 003F83

■ AFF4FF

■ 002A6A

■ CEFFFF

■ 001651

■ ECFFFF

■ 000539

■ 000223

■ 000009

■ 000000

■ 2A87D5

■ 2A87D5

■ 157DD5

■ 3F91D5

■ 0074D5

■ 559AD5

■ 6AA4D5

■ 7FAED5

■ 95B8D5

■ AAC1D5

■ BFCBD5

■ D4D5D5

■ EADED5

# Harmonies

## Analogous

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



0091CA



2A87D5



8678CA

# Triad

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



2A87D5



CC635B



369459

# Complementary

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



2A87D5



D5782A

# 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.



6F8D38



2A87D5



B9723B

# Square

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



2A87D5



CD5E84



99812C



009783

# Rectangle

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



2A87D5



A96CB7



99812C



4D924C

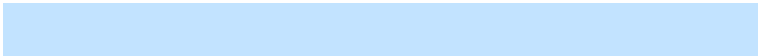


# Sweetspot

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



2A87D5



C2E3FF



2AD577



5B6F80



000000



808080



# Same Dimension

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



2A87D5



0A8FFF



2A33D5



60666B



005DAB



00182B



# Inverse Universe

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



D52A87



FF0A8F



D5CC2A



6B6066



AB005D

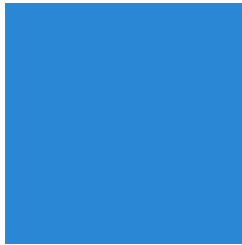


2B0018



# Previews

## White Background



This preview shows how the Hex color 2A87D5 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 2A87D5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

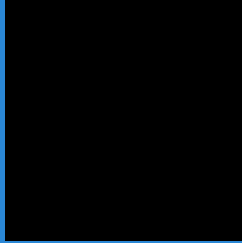
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2A87D5 Background



This preview shows how black text looks on a background with the Hex color 2A87D5.

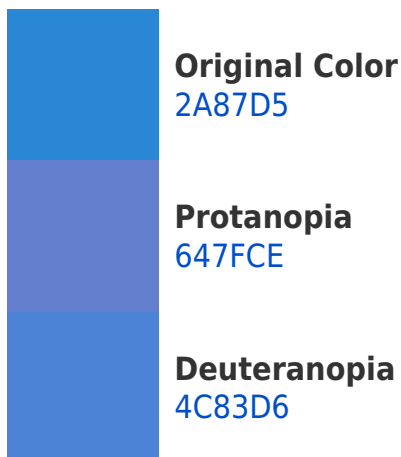


This preview shows how white text looks on a background with the Hex color 2A87D5.

# 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](#).

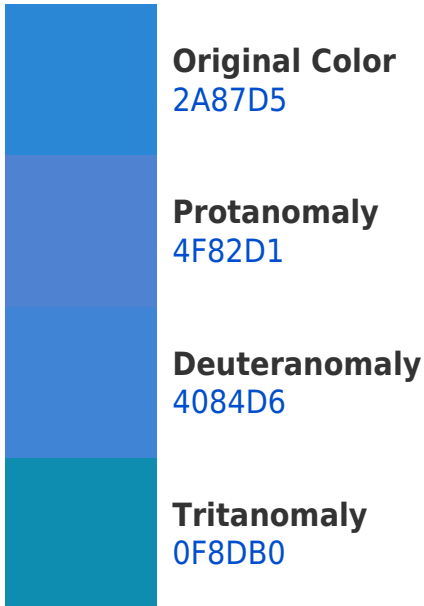
## Dichromacy



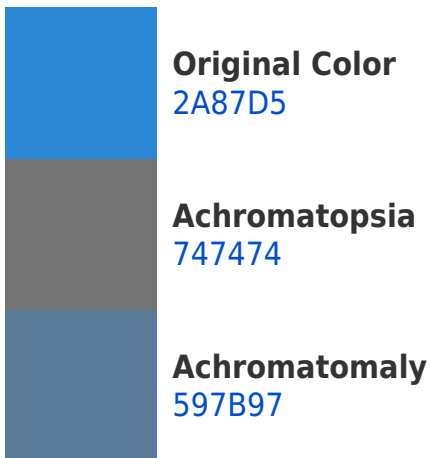


**Tritanopia**  
00919B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A87D5 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 #2A87D5 looks like.

```
.text, #text, p{  
    color:#2A87D5  
}
```

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 #2A87D5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A87D5
}
```

## Border

The CSS property to change the border of an element to Hex 2A87D5 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
#2A87D5 }
```

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

```
.border{ border-color:#2A87D5 }
```

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

Here you see how a box with a 4 pixel #2A87D5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A87D5; -webkit-box-shadow:4px 4px  
4px 4px #2A87D5; box-shadow:4px 4px 4px  
4px #2A87D5 }
```

# Background

The CSS property to change the background color of an element to Hex 2A87D5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A87D5 }
```

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

```
.background{ background-color:#2A87D5 }
```

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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