

# Converting Colors

Hex(2A90D1)

Have a look what the booklet for  
Hex(2A90D1) contains.

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# Color

**Hex(2A90D1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A90D1
RGB	42, 144, 209
RGB Percent	16%, 56%, 82%
CMY	0.8353, 0.4353, 0.1804
CMYK	0.80, 0.31, 0.00, 0.18
HSL	203°, 67%, 49%
HSV	203°, 80%, 82%
XYZ	22.4367, 25.0422, 63.9727
YIQ	120.9120, -81.6570, -1.4090

# Conversions

## Conversions Part 2

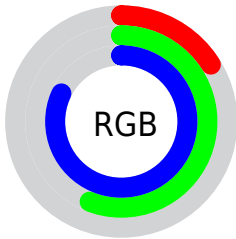
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 105, 209
Decimal	2789585
CIE Lab	57.12, -6.14, -41.45
CIE LCh	57, 41.900, 261.568
Yxy	25.0422, 0.2013, 0.2247
Android (android.graphics.Color)	4280979665 (0xFF2A90D1)
YUV	120.9120, 43.4274, -69.2058
Hunter-Lab	50.0422, -7.5422, -40.7653

# Details

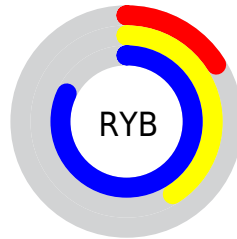
The Hex color **2A90D1** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **D16B2A**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **72C6FF**, and **005E9A** is the 20% darker color. If you saturate the color by 10%, you get **1588D1**, and if you desaturate by 10%, it is **3F98D1**.

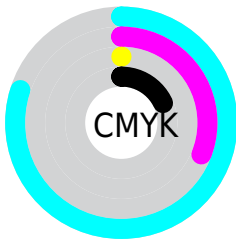
# Distribution



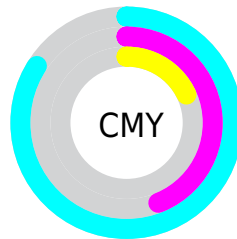
- Red (16%)
- Green (56%)
- Blue (82%)



- Red (16%)
- Yellow (41%)
- Blue (82%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (44%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A90D1 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 2A90D1 by changing the saturation by 10% instead.



■ 2A90D1

■ 2A90D1

FFFFFF

■ 0076B5

■ 72C6FF

■ 005E9A

■ 90E2FF

■ 004780

■ AFFE FF

■ 003166

■ CDFF FF

■ 001D4E

■ EBFF FF

■ 000537

■ 000220

■ 000005

■ 000000

■ 2A90D1

■ 2A90D1

■ 1588D1

■ 3F98D1

■ 0080D1

■ 54A0D1

■ 69A8D1

■ 7EB1D1

■ 93B9D1

■ A7C1D1

■ BCC9D1

■ D1D1D1

■ E6D9D1

# Harmonies

## Analogous

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



0098C1



2A90D1



7C84CD

# Triad

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



2A90D1



CE6C70



5A975A

# Complementary

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



2A90D1



D16B2A

# 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.



858F43



2A90D1



C27651

# Square

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



2A90D1



C86C95



A8833F



0B9B7D

# Rectangle

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



2A90D1



9F7AC0



A8833F



699550

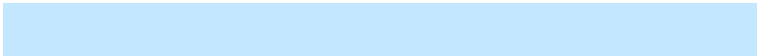


# Sweetspot

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



2A90D1



C2E7FF



2AD16A



5B7180



000000



808080

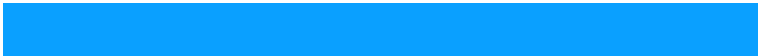


# Same Dimension

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



2A90D1



0AA0FF



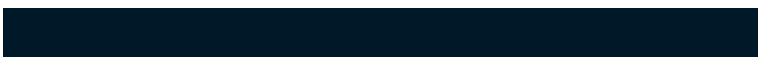
2A3DD1



5E6469



0067A8



001929



# Inverse Universe

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



D12A90



FF0AA0



D1BE2A



695E64



A80067



290019



# Previews

## White Background



This preview shows how the Hex color 2A90D1 looks on a white background.

## Color Contrast Check

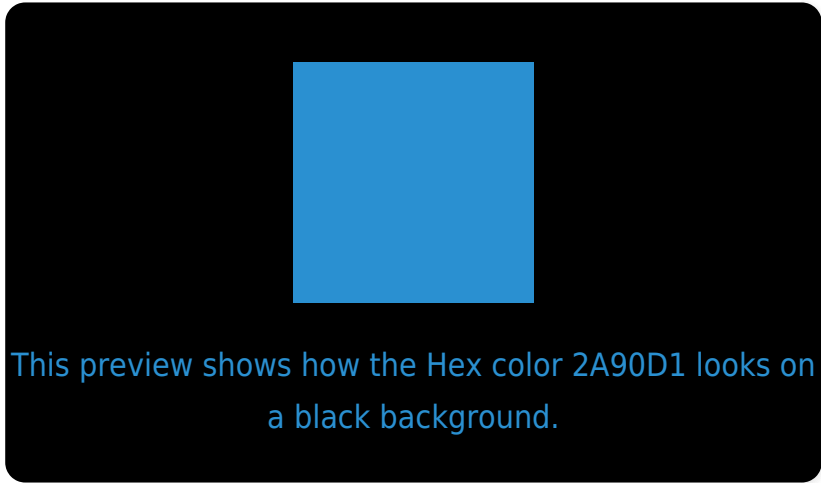
Large Text (above 18pt) WCAG AA ✓ Pass

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

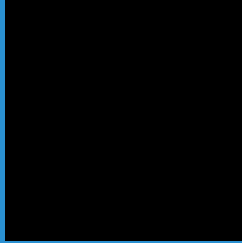
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

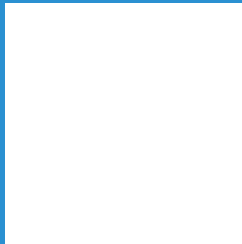
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A90D1 Background



This preview shows how black text looks on a background with the Hex color 2A90D1.

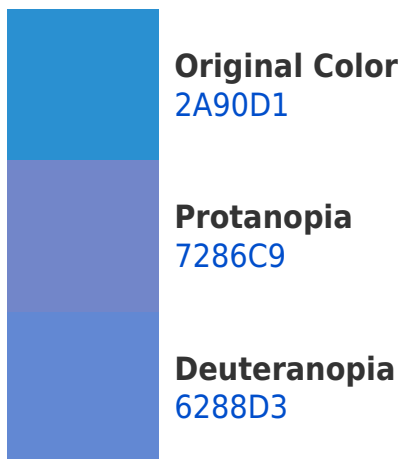


This preview shows how white text looks on a background with the Hex color 2A90D1.

# 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](#).

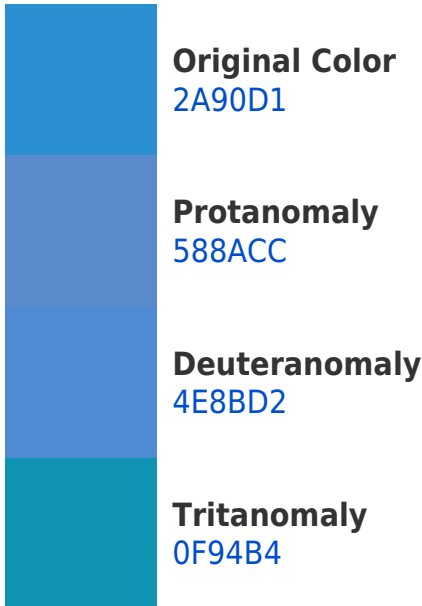
## Dichromacy



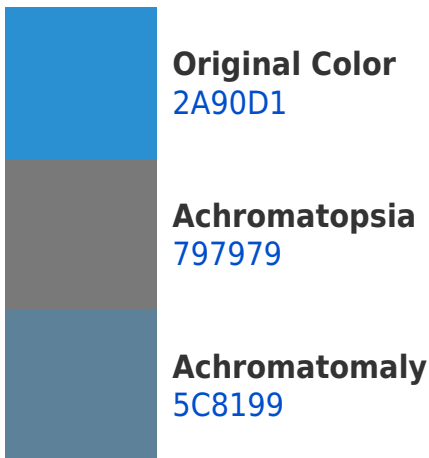


**Tritanopia**  
0097A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A90D1 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 #2A90D1 looks like.

```
.text, #text, p{  
    color:#2A90D1  
}
```

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 #2A90D1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A90D1
}
```

## Border

The CSS property to change the border of an element to Hex 2A90D1 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
#2A90D1 }
```

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

```
.border{ border-color:#2A90D1 }
```

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

Here you see how a box with a 4 pixel #2A90D1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A90D1; -webkit-box-shadow:4px 4px  
4px 4px #2A90D1; box-shadow:4px 4px 4px  
4px #2A90D1 }
```

# Background

The CSS property to change the background color of an element to Hex 2A90D1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A90D1 }
```

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

```
.background{ background-color:#2A90D1 }
```

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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