

# Converting Colors

Hex(2A71E4)

Have a look what the booklet for  
Hex(2A71E4) contains.

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**Color**

**Hex(2A71E4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A71E4
RGB	42, 113, 228
RGB Percent	16%, 44%, 89%
CMY	0.8353, 0.5569, 0.1059
CMYK	0.82, 0.50, 0.00, 0.11
HSL	217°, 78%, 53%
HSV	217°, 82%, 89%
XYZ	20.8636, 17.9039, 75.7550
YIQ	104.8810, -79.2310, 20.7130

# Conversions

## Conversions Part 2

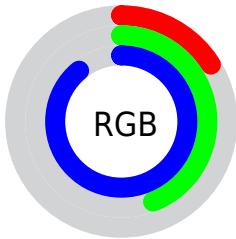
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 93, 228
Decimal	2781668
CIE Lab	49.38, 19.81, -64.50
CIE LCh	49, 67.470, 287.072
Yxy	17.9039, 0.1822, 0.1563
Android (android.graphics.Color)	4280971748 (0xFF2A71E4)
YUV	104.8810, 60.6977, -55.1466
Hunter-Lab	42.3130, 13.9663, -76.5305

# Details

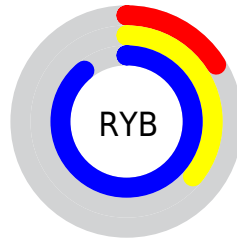
The Hex color **2A71E4** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **E49D2A**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **76A4FF**, and **0042AC** is the 20% darker color. If you saturate the color by 10%, you get **1363E4**, and if you desaturate by 10%, it is **417FE4**.

# Distribution



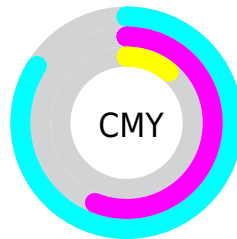
- Red (16%)
- Green (44%)
- Blue (89%)



- Red (16%)
- Yellow (36%)
- Blue (89%)



- Cyan (82%)
- Magenta (50%)
- Yellow (0%)
- Black (11%)



- Cyan (84%)
- Magenta (56%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A71E4 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 2A71E4 by changing the saturation by 10% instead.



 2A71E4

 2A71E4

FFFFFF

 0059C7

 76A4FF

 0042AC

 96BFFF

 002D90

 B5DBFF

 001B76

 D3F7FF

 00015D

 F2FFFF

 000744

 00032D

 000117

 000000

■ 2A71E4

■ 2A71E4

■ 1363E4

■ 417FE4

■ 0057E4

■ 588DE4

■ 6E9BE4

■ 85A9E4

■ 9CB7E4

■ B3C6E4

■ CAD4E4

■ E0E2E4

■ F7F0E4

# Harmonies

## Analogous

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



0083E6



2A71E4



9F55C4

# Triad

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



2A71E4



C84F21



008D5A

# Complementary

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



2A71E4



E49D2A

# 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.



1F881C



2A71E4



A26A00

# Square

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



2A71E4



D93458



6F7D00



008F95

# Rectangle

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



2A71E4



C340A3



6F7D00



008C46



# Sweetspot

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



2A71E4



C2D9FF



2AE49D



5B6980



000000



808080



# Same Dimension

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



2A71E4



0564FF



402AE4



676C73



0044B3



001333



# Inverse Universe

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



E42A71



FF0564



CEE42A



73676C



B30044



330013



# Previews

## White Background



This preview shows how the Hex color 2A71E4 looks on a white background.

## Color Contrast Check

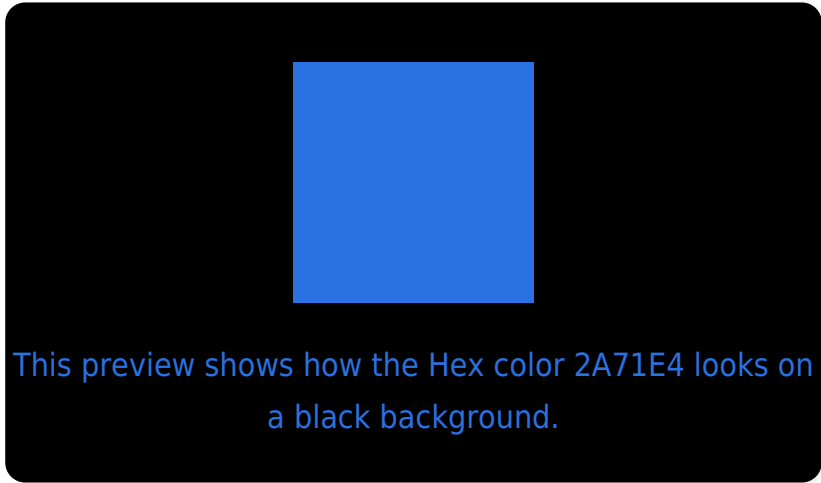
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

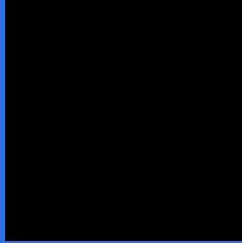
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

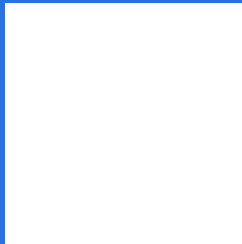
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A71E4 Background



This preview shows how black text looks on a background with the Hex color 2A71E4.

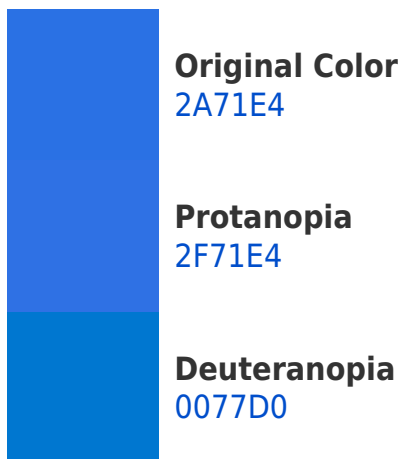


This preview shows how white text looks on a background with the Hex color 2A71E4.

# 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](#).

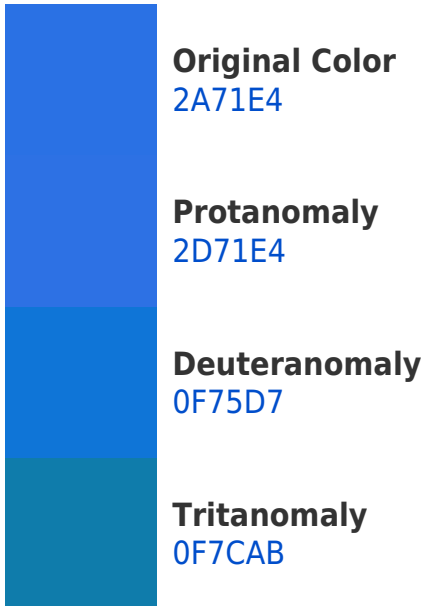
## Dichromacy





**Tritanopia**  
00828A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A71E4 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 #2A71E4 looks like.

```
.text, #text, p{  
    color:#2A71E4  
}
```

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 #2A71E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A71E4
}
```

## Border

The CSS property to change the border of an element to Hex 2A71E4 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
#2A71E4 }
```

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

```
.border{ border-color:#2A71E4 }
```

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

Here you see how a box with a 4 pixel #2A71E4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A71E4; -webkit-box-shadow:4px 4px  
4px 4px #2A71E4; box-shadow:4px 4px 4px  
4px #2A71E4 }
```

# Background

The CSS property to change the background color of an element to Hex 2A71E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A71E4 }
```

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

```
.background{ background-color:#2A71E4 }
```

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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