

# Converting Colors

Hex(2E4DD2)

Have a look what the booklet for  
Hex(2E4DD2) contains.

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# Color

**Hex(2E4DD2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E4DD2
RGB	46, 77, 210
RGB Percent	18%, 30%, 82%
CMY	0.8196, 0.6980, 0.1765
CMYK	0.78, 0.63, 0.00, 0.18
HSL	229°, 65%, 50%
HSV	229°, 78%, 82%
XYZ	15.4134, 10.5417, 62.1951
YIQ	82.8930, -61.1690, 34.7910

# Conversions

## Conversions Part 2

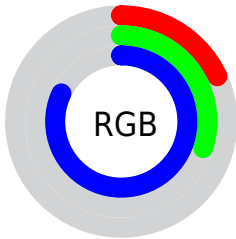
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 72, 210
Decimal	3034578
CIE <sub>Lab</sub>	38.80, 36.46, -71.47
CIE <sub>LCh</sub>	39, 80.231, 297.033
Yxy	10.5417, 0.1749, 0.1196
Android (android.graphics.Color)	4281224658 (0xFF2E4DD2)
YUV	82.8930, 62.6638, -32.3552
Hunter-Lab	32.4680, 27.9196, -90.8471

# Details

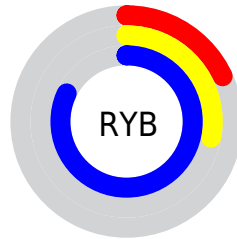
The Hex color **2E4DD2** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **D2B32E**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **767EFF**, and **00229A** is the 20% darker color. If you saturate the color by 10%, you get **193CD2**, and if you desaturate by 10%, it is **435ED2**.

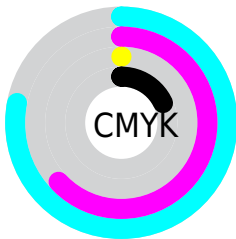
# Distribution



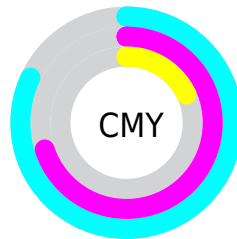
- Red (18%)
- Green (30%)
- Blue (82%)



- Red (18%)
- Yellow (28%)
- Blue (82%)



- Cyan (78%)
- Magenta (63%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (70%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E4DD2 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 2E4DD2 by changing the saturation by 10% instead.



■ 2E4DD2

■ 2E4DD2

FFFFFF

■ 0036B6

■ 767EFF

■ 00229A

■ 9598FF

■ 00107F

■ B4B2FF

■ 000066

■ D2CEFF

■ 00094C

■ F1EAFF

■ 000535

■ 00021E

■ 000001

■ 000000

■ 2E4DD2

■ 2E4DD2

■ 193CD2

■ 435ED2

■ 042BD2

■ 586FD2

■ 0028D2

■ 6D80D2

■ 8291D2

■ 97A2D2

■ ACB3D2

■ C1C4D2

■ D6D5D2

■ EBE6D2

# Harmonies

## Analogous

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



0067E1



2E4DD2



9F13A4

# Triad

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



2E4DD2



A53600



007453

# Complementary

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



2E4DD2



D2B32E

# 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.



007000



2E4DD2



765700

# Square

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



2E4DD2



C20025



346800



007596

# Rectangle

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



2E4DD2



BD007B



346800



00733C



# Sweetspot

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



2E4DD2



C4CFFF



2ED2B1



5C6380



000000



808080



# Same Dimension

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



2E4DD2



0F3DFF



5F2ED2



5E6069



0020A8



000829



# Inverse Universe

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



D22E4D



FF0F3D



A1D22E



695E60



A80020

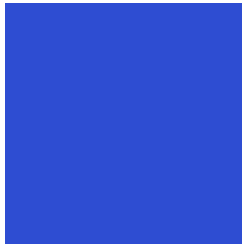


290008



# Previews

## White Background



This preview shows how the Hex color 2E4DD2 looks on a white background.

## Color Contrast Check

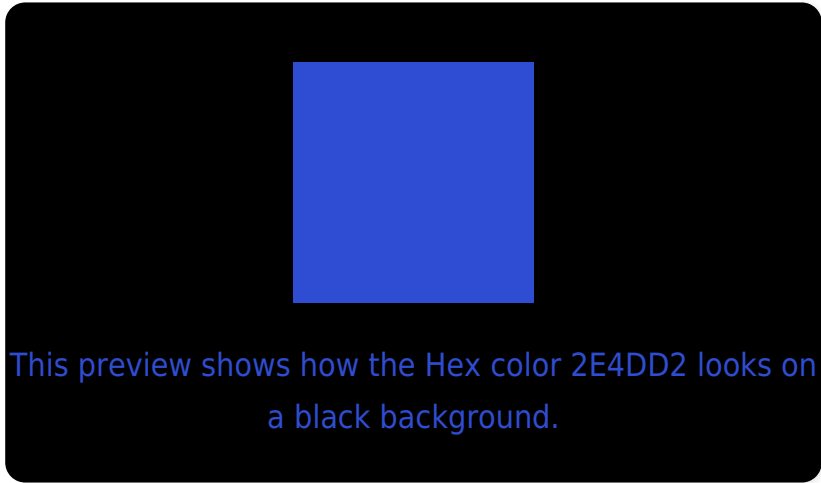
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

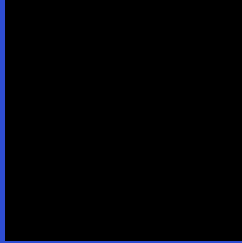
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E4DD2 Background



This preview shows how black text looks on a background with the Hex color 2E4DD2.



This preview shows how white text looks on a background with the Hex color 2E4DD2.

# 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](#).

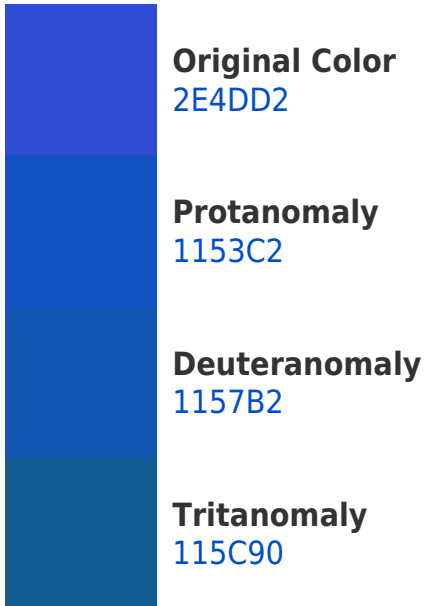
## Dichromacy





**Tritanopia**  
00656B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E4DD2 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 #2E4DD2 looks like.

```
.text, #text, p{  
    color:#2E4DD2  
}
```

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 #2E4DD2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E4DD2
}
```

## Border

The CSS property to change the border of an element to Hex 2E4DD2 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
#2E4DD2 }
```

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

```
.border{ border-color:#2E4DD2 }
```

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

Here you see how a box with a 4 pixel #2E4DD2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E4DD2; -webkit-box-shadow:4px 4px  
4px 4px #2E4DD2; box-shadow:4px 4px 4px  
4px #2E4DD2 }
```

# Background

The CSS property to change the background color of an element to Hex 2E4DD2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E4DD2 }
```

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

```
.background{ background-color:#2E4DD2 }
```

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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