

# Converting Colors

Hex(2578EE)

Have a look what the booklet for  
Hex(2578EE) contains.

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# Color

**Hex(2578EE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2578EE
RGB	37, 120, 238
RGB Percent	15%, 47%, 93%
CMY	0.8549, 0.5294, 0.0667
CMYK	0.84, 0.50, 0.00, 0.07
HSL	215°, 86%, 54%
HSV	215°, 84%, 93%
XYZ	22.9120, 19.9993, 83.5416
YIQ	108.6350, -87.3460, 19.1020

# Conversions

## Conversions Part 2

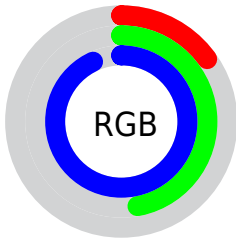
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 96, 238
Decimal	2455790
CIE Lab	51.84, 18.78, -66.14
CIE LCh	52, 68.751, 285.854
Yxy	19.9993, 0.1812, 0.1582
Android (android.graphics.Color)	4280645870 (0xFF2578EE)
YUV	108.6350, 63.7769, -62.8239
Hunter-Lab	44.7206, 13.1913, -79.4540

# Details

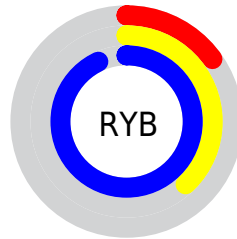
The Hex color **2578EE** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **EE9B25**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **76ACFF**, and **0049B5** is the 20% darker color. If you saturate the color by 10%, you get **0D6AEE**, and if you desaturate by 10%, it is **3D86EE**.

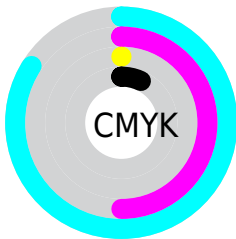
# Distribution



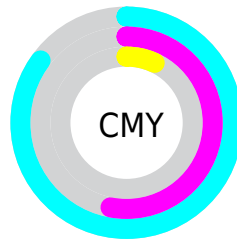
- Red (15%)
- Green (47%)
- Blue (93%)



- Red (15%)
- Yellow (38%)
- Blue (93%)



- Cyan (84%)
- Magenta (50%)
- Yellow (0%)
- Black (7%)



- Cyan (85%)
- Magenta (53%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2578EE 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 2578EE by changing the saturation by 10% instead.



 2578EE

 2578EE

FFFFFF

 0060D1

 76ACFF

 0049B5

 96C7FF

 00339A

 B6E2FF

 00207F

 D5FFFF

 000965

 F4FFFF

 00094C

 000534

 00021E

 000001

■ 2578EE

■ 2578EE

■ 0D6AEE

■ 3D86EE

■ 0062EE

■ 5594EE

■ 6CA2EE

■ 84B0EE

■ 9CBEEE

■ B4CCEE

■ CCDAEE

■ E3E8EE

■ FBF6EE

# Harmonies

## Analogous

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



008AEE



2578EE



A45CCE

# Triad

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



2578EE



D25327



00945D

# Complementary

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



2578EE



EE9B25

# 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.



2B8E1E



2578EE



AC6F00

# Square

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



2578EE



E2395F



788200



00969A

# Rectangle

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



2578EE



CA47AD



788200



009348



# Sweetspot

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



2578EE



BFDAFF



25EE9A



596980



000000



808080



# Same Dimension

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



2578EE



0069FF



3625EE



6C7178



004CB8



001738



# Inverse Universe

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



EE2578



FF0069



DDEE25



786C71



B8004C



380017



# Previews

## White Background



This preview shows how the Hex color 2578EE looks on a white background.

## Color Contrast Check

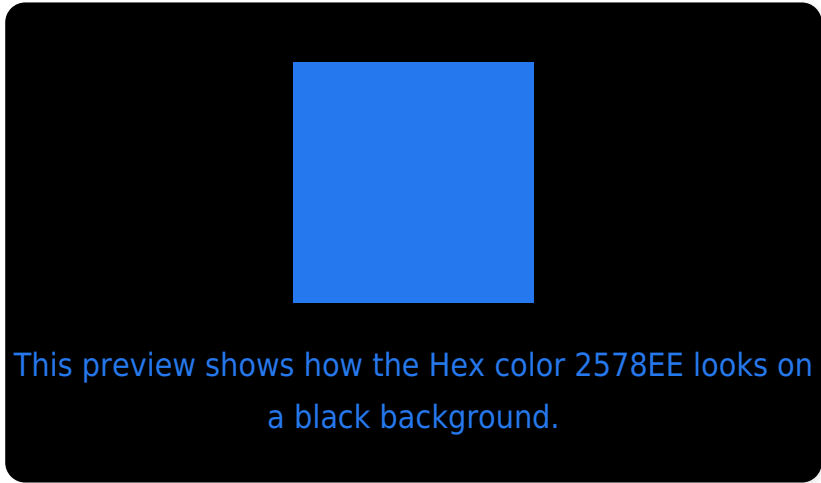
Large Text (above 18pt) WCAG AA ✓ Pass

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

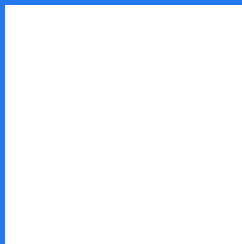
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2578EE Background



This preview shows how black text looks on a background with the Hex color 2578EE.

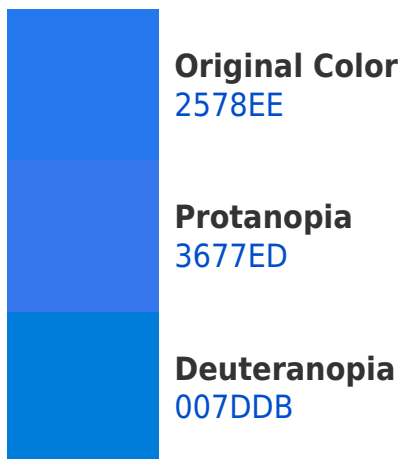


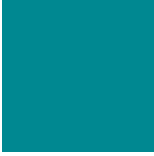
This preview shows how white text looks on a background with the Hex color 2578EE.

# 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



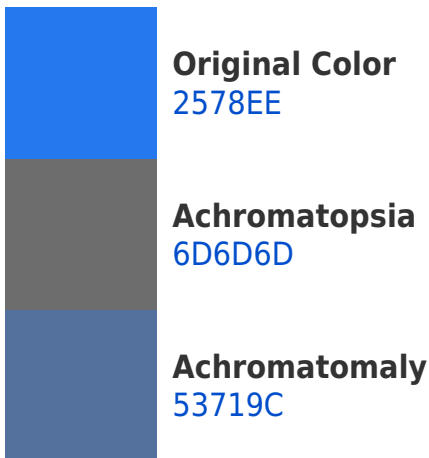


**Tritanopia**  
008891

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2578EE 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 #2578EE looks like.

```
.text, #text, p{  
    color:#2578EE  
}
```

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 #2578EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2578EE
}
```

## Border

The CSS property to change the border of an element to Hex 2578EE 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
#2578EE }
```

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

```
.border{ border-color:#2578EE }
```

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

Here you see how a box with a 4 pixel #2578EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2578EE; -webkit-box-shadow:4px 4px  
4px 4px #2578EE; box-shadow:4px 4px 4px  
4px #2578EE }
```

# Background

The CSS property to change the background color of an element to Hex 2578EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2578EE }
```

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

```
.background{ background-color:#2578EE }
```

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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