

# Converting Colors

Hex(1E2778)

Have a look what the booklet for  
Hex(1E2778) contains.

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# Color

**Hex(1E2778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E2778
RGB	30, 39, 120
RGB Percent	12%, 15%, 47%
CMY	0.8824, 0.8471, 0.5294
CMYK	0.75, 0.67, 0.00, 0.53
HSL	234°, 60%, 29%
HSV	234°, 75%, 47%
XYZ	4.6511, 3.0831, 18.1193
YIQ	45.5430, -31.3650, 23.2830

# Conversions

## Conversions Part 2

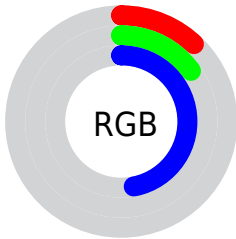
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 38, 120
Decimal	1976184
CIELab	20.37, 26.10, -47.29
CIELCh	20, 54.019, 298.893
Yxy	3.0831, 0.1799, 0.1193
Android (android.graphics.Color)	4280166264 (0xFF1E2778)
YUV	45.5430, 36.7073, -13.6312
Hunter-Lab	17.5588, 16.5544, -48.8912

# Details

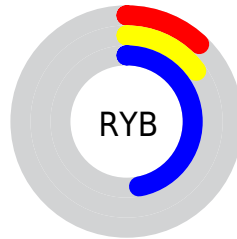
The Hex color **1E2778** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **786F1E**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **5954AD**, and **000047** is the 20% darker color. If you saturate the color by 10%, you get **121C78**, and if you desaturate by 10%, it is **2A3278**.

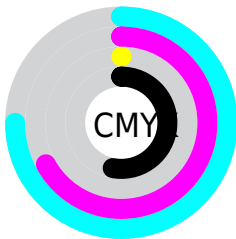
# Distribution



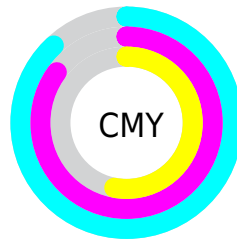
- Red (12%)
- Green (15%)
- Blue (47%)



- Red (12%)
- Yellow (15%)
- Blue (47%)



- Cyan (75%)
- Magenta (67%)
- Yellow (0%)
- Black (53%)



- Cyan (88%)
- Magenta (85%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E2778 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 1E2778 by changing the saturation by 10% instead.



■ 1E2778

■ 1E2778

FFFFFF

■ 00135F

■ 5954AD

■ 000047

■ 746CC9

■ 00042F

■ 9086E5

■ 000119

■ ACA0FF

■ 000000

■ C8BBFF

■ E5D7FF

■ FFF3FF

■ 1E2778

■ 1E2778

■ 121C78

■ 2A3278

■ 061178

■ 363D78

■ 000C78

■ 424778

■ 4E5278

■ 5A5D78

■ 666878

■ 727378

■ 7E7D78

■ 8A8878

# Harmonies

## Analogous

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



003882



1E2778



5D015B

# Triad

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



1E2778



5C1C00



00402F

# Complementary

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



1E2778



786F1E

# 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.



003E00



1E2778



3F2F00

# Square

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



1E2778



6F000D



153900



004157

# Rectangle

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



1E2778



6D0042



153900



003F20



# Sweetspot

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



1E2778



787B9C



1E786F



393B4F



CFCFCF



4F4F4F



# Same Dimension

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



1E2778



101E9C



421E78



37383D



000C7D



0019FC



# Inverse Universe

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



781E27



9C101E



54781E



3D3738



7D000C

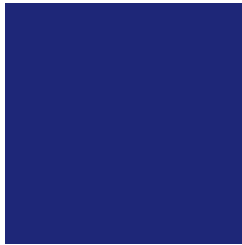


FC0019



# Previews

## White Background



This preview shows how the Hex color 1E2778 looks on a white background.

## Color Contrast Check

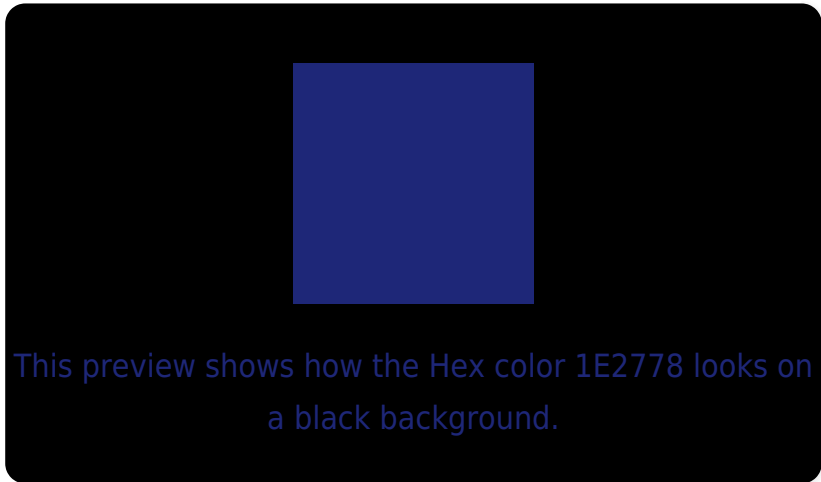
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

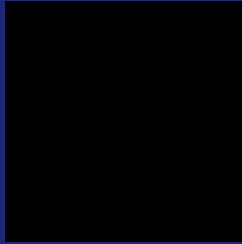
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E2778 Background



This preview shows how black text looks on a background with the Hex color 1E2778.



This preview shows how white text looks on a background with the Hex color 1E2778.

# 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



**Original Color**  
1E2778

**Protanopia**  
003065

**Deuteranopia**  
003356



# Trichromacy



**Original Color**  
1E2778

**Protanomaly**  
0B2D6C

**Deuteranomaly**  
0B2F62

**Tritanomaly**  
0B3151

# Monochromacy



**Original Color**  
1E2778

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
282B49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E2778 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 #1E2778 looks like.

```
.text, #text, p{  
    color:#1E2778  
}
```

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 #1E2778 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E2778
}
```

## Border

The CSS property to change the border of an element to Hex 1E2778 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
#1E2778 }
```

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

```
.border{ border-color:#1E2778 }
```

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

Here you see how a box with a 4 pixel #1E2778 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E2778; -webkit-box-shadow:4px 4px  
4px 4px #1E2778; box-shadow:4px 4px 4px  
4px #1E2778 }
```

# Background

The CSS property to change the background color of an element to Hex 1E2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E2778 }
```

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

```
.background{ background-color:#1E2778 }
```

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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