

Converting Colors

Hex(1E3070)

Have a look what the booklet for
Hex(1E3070) contains.

Hex(1E3070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1E3070)

Conversions

Conversions Part 1

Format	Color
Hex	1E3070
RGB	30, 48, 112
RGB Percent	12%, 19%, 44%
CMY	0.8824, 0.8118, 0.5608
CMYK	0.73, 0.57, 0.00, 0.56
HSL	227°, 58%, 28%
HSV	227°, 73%, 44%
XYZ	4.5170, 3.5598, 15.7783
YIQ	49.9140, -31.2720, 16.0880

Conversions

Conversions Part 2

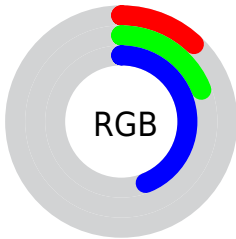
Format	Color
R_{YB}	30, 45, 112
Decimal	1978480
CIE Lab	22.16, 16.63, -39.26
CIE LCh	22, 42.635, 292.958
Yxy	3.5598, 0.1894, 0.1492
Android (android.graphics.Color)	4280168560 (0xFF1E3070)
YUV	49.9140, 30.6084, -17.4646
Hunter-Lab	18.8674, 9.7165, -36.3755




Details

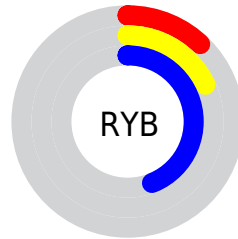
The Hex color **1E3070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **705E1E**, and the grayscale version is **323232**.




A 20% lighter version of the original color is **565EA4**, and **00013F** is the 20% darker color. If you saturate the color by 10%, you get **132770**, and if you desaturate by 10%, it is **293970**.

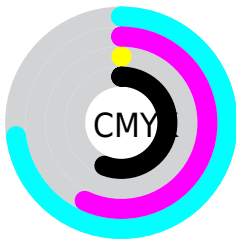
Distribution







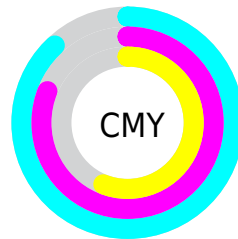
-  Red (12%)
-  Green (19%)
-  Blue (44%)






-  Red (12%)
-  Yellow (18%)
-  Blue (44%)



-  Cyan (73%)
-  Magenta (57%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (88%)
-  Magenta (81%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1E3070 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 1E3070 by changing the saturation by 10% instead.

■ 1E3070

■ 1E3070

FFFFFF

■ 001C57

■ 565EA4

■ 00013F

■ 7176C0

■ 000329

■ 8C90DC

■ 000113

■ A7AAF9

■ 000000

■ C3C5FF

■ E0E1FF

■ FDFEFF

■ 1E3070

■ 1E3070

■ 132770

■ 293970

■ 081F70

■ 344170

■ 001970

■ 404A70

■ 4B5370

■ 565C70

■ 616470

■ 6C6D70

■ 787670

■ 837F70

Harmonies

Analogous

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



003B74



1E3070



531F5C

Triad

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



1E3070



5F2200



00422C

Complementary

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



1E3070



705E1E

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.



00400A



1E3070



493100

Square

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



1E3070



6B101F



2C3A00



00434D

Rectangle

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



1E3070



631148



2C3A00



004221

Sweetspot

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



1E3070



717891



1E705D



373B4A



C9C9C9



4A4A4A

Same Dimension

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



1E3070



112E91



341E70



323438



001A78



0036F7

Inverse Universe

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



701E30



91112E



5A701E



383234



78001A



F70036

Previews

White Background



This preview shows how the Hex color 1E3070 looks on a white background.

Color Contrast Check

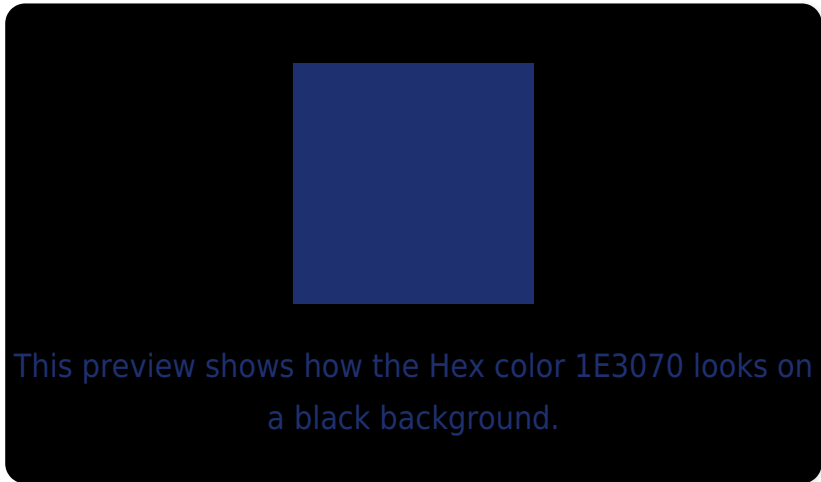
Large Text (above 18pt) WCAG AA ✓ Pass

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

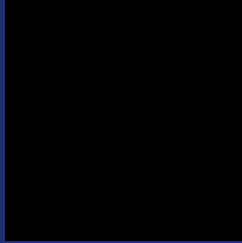
Any Text WCAG AA × Fail

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 1E3070 Background



This preview shows how black text looks on a background with the Hex color 1E3070.



This preview shows how white text looks on a background with the Hex color 1E3070.

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
1E3070

Protanopia
00336D

Deuteranopia
00365E



Tritanopia
003B3F

Trichromacy



Original Color
1E3070

Protanomaly
0B326E

Deuteranomaly
0B3465

Tritanomaly
0B3751

Monochromacy



Original Color
1E3070

Achromatopsia
323232

Achromatomaly
2B3149

CSS Examples

Text

The CSS property to change the color of the text to Hex 1E3070 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 #1E3070 looks like.

```
.text, #text, p{  
    color:#1E3070  
}
```

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 #1E3070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E3070
}
```

Border

The CSS property to change the border of an element to Hex 1E3070 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
#1E3070 }
```

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

```
.border{ border-color:#1E3070 }
```

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

Here you see how a box with a 4 pixel #1E3070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E3070; -webkit-box-shadow:4px 4px  
4px 4px #1E3070; box-shadow:4px 4px 4px  
4px #1E3070 }
```

Background

The CSS property to change the background color of an element to Hex 1E3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E3070 }
```

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

```
.background{ background-color:#1E3070 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor