

# Converting Colors

Hex(1E4A68)

Have a look what the booklet for  
Hex(1E4A68) contains.

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# Color

**Hex(1E4A68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E4A68
RGB	30, 74, 104
RGB Percent	12%, 29%, 41%
CMY	0.8824, 0.7098, 0.5922
CMYK	0.71, 0.29, 0.00, 0.59
HSL	204°, 55%, 26%
HSV	204°, 71%, 41%
XYZ	5.4829, 6.1731, 13.9992
YIQ	64.2640, -35.8540, 0.0020

# Conversions

## Conversions Part 2

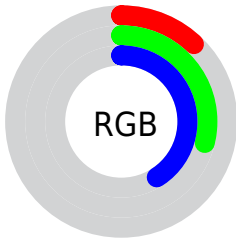
Format	Color
<b>RYB</b>	30, 58, 104
Decimal	1985128
CIELab	29.84, -4.41, -21.90
CIElCh	30, 22.341, 258.606
Yxy	6.1731, 0.2137, 0.2406
Android (android.graphics.Color)	4280175208 (0xFF1E4A68)
YUV	64.2640, 19.5898, -30.0495
Hunter-Lab	24.8456, -4.0888, -16.0149

# Details

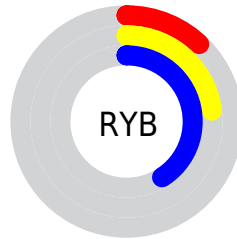
The Hex color **1E4A68** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **683C1E**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **547B9B**, and **001F39** is the 20% darker color. If you saturate the color by 10%, you get **144668**, and if you desaturate by 10%, it is **284E68**.

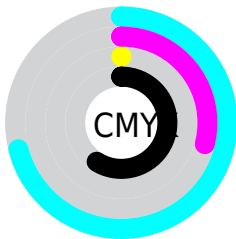
# Distribution



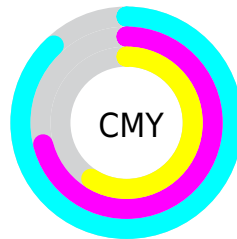
- Red (12%)
- Green (29%)
- Blue (41%)



- Red (12%)
- Yellow (23%)
- Blue (41%)



- Cyan (71%)
- Magenta (29%)
- Yellow (0%)
- Black (59%)



- Cyan (88%)
- Magenta (71%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E4A68 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 1E4A68 by changing the saturation by 10% instead.





1E4A68



1E4A68

FFFFFF



003450



547B9B



001F39



6E94B6



000223



89AFD2



00000B



A4CAEE



000000



C0E6FF



DCFFFF



F9FFFF



1E4A68



1E4A68

■ 144668

■ 284E68

■ 094268

■ 335268

■ 003E68

■ 3D5768

■ 485B68

■ 525F68

■ 5C6368

■ 676868

■ 716C68

■ 7C7068

# Harmonies

## Analogous

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



004E60



1E4A68



3E4467

# Triad

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



1E4A68



68393C



334D2F

# Complementary

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



1E4A68



683C1E

# 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.



474925



1E4A68



633D2D

# Square

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



1E4A68



64394E



574324



1A4F3F

# Rectangle

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



1E4A68



4F4061



574324



3A4C2A



# Sweetspot

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



1E4A68



6B7C87



1E683C



343E45



C4C4C4



454545



# Same Dimension

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



1E4A68



145987



1E2568



2E3133



004473



0090F2



# Inverse Universe

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



681E4A



871459



68611E



332E31



730044

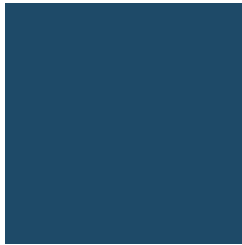


F20090



# Previews

## White Background



This preview shows how the Hex color 1E4A68 looks on a white background.

## Color Contrast Check

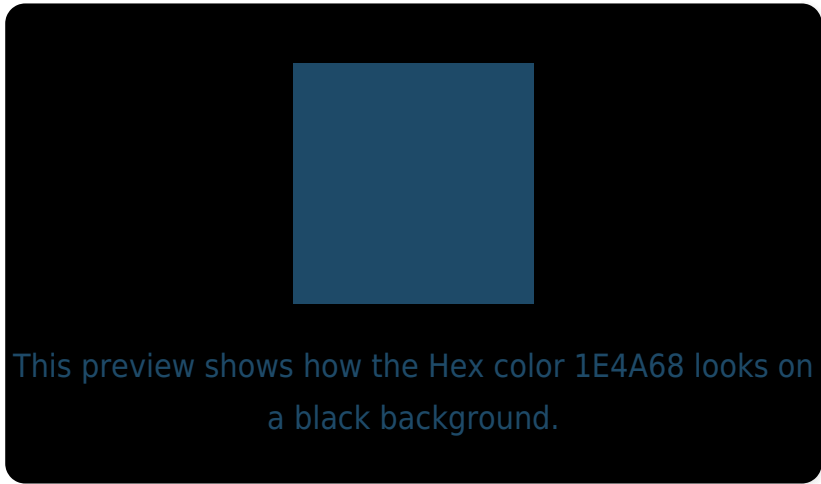
Large Text (above 18pt) WCAG AA ✓ Pass

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

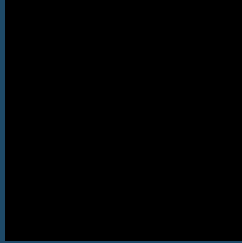
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

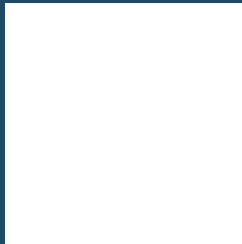
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1E4A68 Background



This preview shows how black text looks on a background with the Hex color 1E4A68.

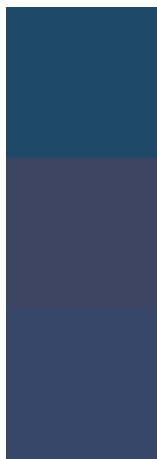


This preview shows how white text looks on a background with the Hex color 1E4A68.

# 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**

1E4A68

**Protanopia**

3C4564

**Deuteranopia**

364669



**Tritanopia**  
0D4E54

# Trichromacy



**Original Color**  
1E4A68

**Protanomaly**  
314765

**Deuteranomaly**  
2D4769

**Tritanomaly**  
134D5B

# Monochromacy



**Original Color**  
1E4A68

**Achromatopsia**  
404040

**Achromatomaly**  
34444F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E4A68 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 #1E4A68 looks like.

```
.text, #text, p{  
    color:#1E4A68  
}
```

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 #1E4A68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E4A68
}
```

## Border

The CSS property to change the border of an element to Hex 1E4A68 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
#1E4A68 }
```

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

```
.border{ border-color:#1E4A68 }
```

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

Here you see how a box with a 4 pixel #1E4A68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E4A68; -webkit-box-shadow:4px 4px  
4px 4px #1E4A68; box-shadow:4px 4px 4px  
4px #1E4A68 }
```

# Background

The CSS property to change the background color of an element to Hex 1E4A68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E4A68 }
```

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

```
.background{ background-color:#1E4A68 }
```

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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