

# Converting Colors

Hex(21504B)

Have a look what the booklet for  
Hex(21504B) contains.

<b>Hex(21504B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(21504B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	21504B
RGB	33, 80, 75
RGB Percent	13%, 31%, 29%
CMY	0.8706, 0.6863, 0.7059
CMYK	0.59, 0.00, 0.06, 0.69
HSL	174°, 42%, 22%
HSV	174°, 59%, 31%
XYZ	4.7659, 6.5687, 7.6733
YIQ	65.3770, -26.4070, -11.5190

# Conversions

## Conversions Part 2

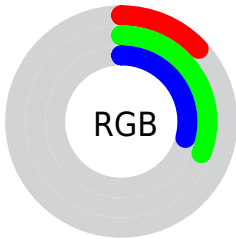
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 58, 80
Decimal	2183243
CIE <sub>Lab</sub>	30.80, -17.37, -1.91
CIE <sub>LCh</sub>	31, 17.471, 186.290
Yxy	6.5687, 0.2507, 0.3456
Android (android.graphics.Color)	4280373323 (0xFF21504B)
YUV	65.3770, 4.7441, -28.3946
Hunter-Lab	25.6294, -11.6588, 0.1895

# Details

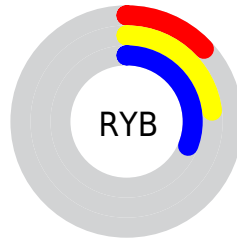
The Hex color **21504B** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **502126**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **53827C**, and **00231F** is the 20% darker color. If you saturate the color by 10%, you get **19504A**, and if you desaturate by 10%, it is **29504C**.

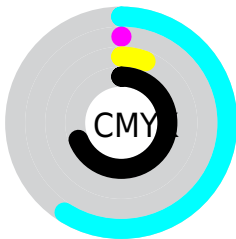
# Distribution



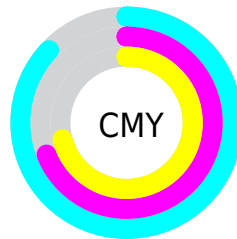
- Red (13%)
- Green (31%)
- Blue (29%)



- Red (13%)
- Yellow (23%)
- Blue (31%)



- Cyan (59%)
- Magenta (0%)
- Yellow (6%)
- Black (69%)




- Cyan (87%)
- Magenta (69%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 21504B 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 21504B by changing the saturation by 10% instead.



 21504B

 21504B

FFFFFF

 053934

 53827C

 00231F

 6C9C95

 000607

 86B7B0


 000000


 A1D2CC

 BCEFE8

 D9FFFF

 F5FFFF

 21504B

 21504B

■ 19504A

■ 29504C

■ 115049

■ 31504D

■ 095048

■ 39504E

■ 015048

■ 41504E

■ 005047

■ 49504F

■ 515050

■ 595051

■ 615052

■ 695053

# Harmonies

## Analogous

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



304F3D



21504B



1B4F58

# Triad

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



21504B



4E445E



5B4430

# Complementary

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



21504B



502126

# 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.



624039



21504B



5C4054

# Square

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



21504B



3B4963



633E46



4F492D

# Rectangle

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



21504B



214E5F



633E46



5E4232



# Sweetspot

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



21504B



566967



265021



2A3634



B5B5B5



363636



# Same Dimension

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



21504B



1E6961



213E50



252928



00695D



00E8CF



# Inverse Universe

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



502126



691E26



503321



292525



69000B



E80019



# Previews

## White Background



This preview shows how the Hex color 21504B looks on a white background.

## Color Contrast Check

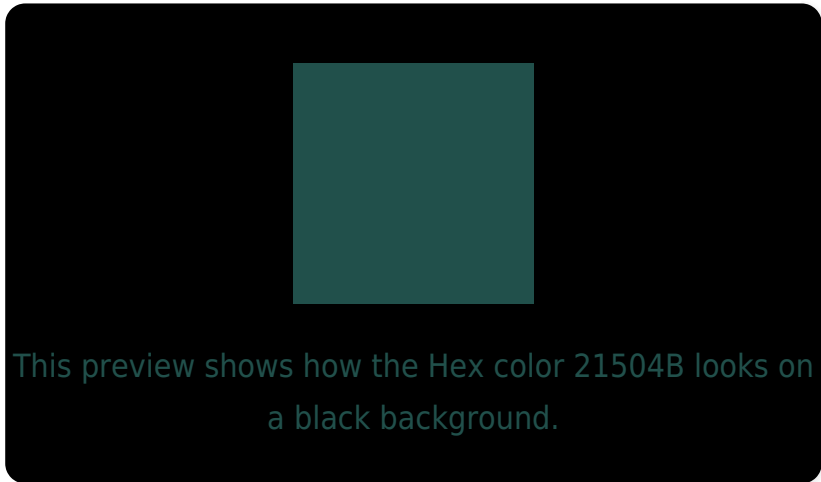
Large Text (above 18pt) WCAG AA ✓ Pass

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

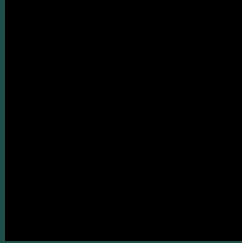
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21504B Background



This preview shows how black text looks on a background with the Hex color 21504B.



This preview shows how white text looks on a background with the Hex color 21504B.

# 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**  
21504B

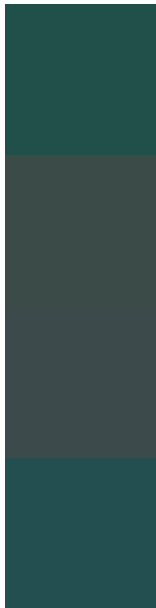
**Protanopia**  
4A4846

**Deuteranopia**  
4D464D



**Tritanopia**  
254F55

# Trichromacy



**Original Color**  
21504B

**Protanomaly**  
3B4B48

**Deuteranomaly**  
3D4A4C

**Tritanomaly**  
244F51

# Monochromacy



**Original Color**  
21504B

**Achromatopsia**  
414141

**Achromatomaly**  
354645

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21504B 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 #21504B looks like.

```
.text, #text, p{  
    color:#21504B  
}
```

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 #21504B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21504B
}
```

## Border

The CSS property to change the border of an element to Hex 21504B 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".

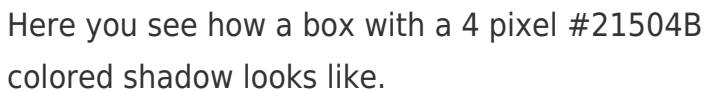
```
.border, #border, table{ border:4px solid
#21504B }
```

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

```
.border{ border-color:#21504B }
```

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

Here you see how a box with a 4 pixel #21504B colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border on the top and left sides, and a thicker dark blue shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21504B; -webkit-box-shadow:4px 4px  
4px 4px #21504B; box-shadow:4px 4px 4px  
4px #21504B }
```

# Background

The CSS property to change the background color of an element to Hex 21504B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21504B }
```

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

```
.background{ background-color:#21504B }
```

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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