

# Converting Colors

Hex(505B21)

Have a look what the booklet for  
Hex(505B21) contains.

<b>Hex(505B21)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(505B21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	505B21
RGB	80, 91, 33
RGB Percent	31%, 36%, 13%
CMY	0.6863, 0.6431, 0.8706
CMYK	0.12, 0.00, 0.64, 0.64
HSL	71°, 47%, 24%
HSV	71°, 64%, 36%
XYZ	7.3239, 9.2974, 2.8474
YIQ	81.0990, 12.0620, -20.3700

# Conversions

## Conversions Part 2

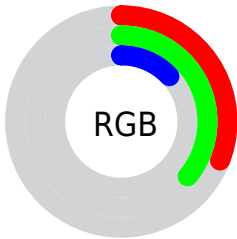
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 91, 44
Decimal	5266209
CIE <sub>Lab</sub>	36.55, -13.75, 31.24
CIE <sub>LCh</sub>	37, 34.130, 113.749
Yxy	9.2974, 0.3762, 0.4776
Android (android.graphics.Color)	4283456289 (0xFF505B21)
YUV	81.0990, -23.7128, -0.9638
Hunter-Lab	30.4917, -10.4863, 15.8075

# Details

The Hex color **505B21** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2C215B**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **838D50**, and **222D00** is the 20% darker color. If you saturate the color by 10%, you get **4E5B18**, and if you desaturate by 10%, it is **525B2A**.

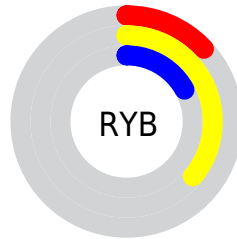
# Distribution



Red (31%)

Green (36%)

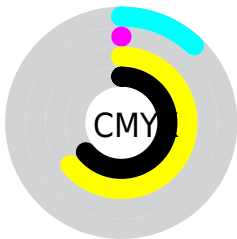
Blue (13%)



Red (13%)

Yellow (36%)

Blue (17%)

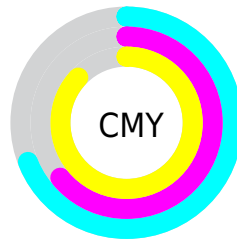


Cyan (12%)

Magenta (0%)

Yellow (64%)

Black (64%)



Cyan (69%)

Magenta (64%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 505B21 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 505B21 by changing the saturation by 10% instead.



 505B21

 505B21

FFFFFF

 384409

 838D50

 222D00

 9DA769

 011A00

 B9C382

 000000

 D5DF9D

 F2FBB8

 FFFFD4

 FFFFF0

 505B21

 505B21

■ 4E5B18

■ 525B2A

■ 4D5B0F

■ 535B33

■ 4B5B06

■ 555B3C

■ 4A5B00

■ 575B45

■ 595B4F

■ 5A5B58

■ 5C5B61

■ 5E5B6A

■ 605B73

# Harmonies

## Analogous

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



6A531D



505B21



2E6134

# Triad

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



505B21



006182



853F5D

# Complementary

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



505B21



2C215B

# 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.



724677



505B21



005B8C

# Square

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



505B21



00636B



4E5188



894041

# Rectangle

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



505B21



006346



4E5188



814066



# Sweetspot

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



505B21



71755F



5B2C21



383B2D



BABABA



3B3B3B



# Same Dimension

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



505B21



64751C



335B21



2D2E29



596E00



C0ED00



# Inverse Universe

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



2C215B



2D1C75



49215B



2A292E



15006E



2D00ED



# Previews

## White Background



This preview shows how the Hex color 505B21 looks on a white background.

## Color Contrast Check

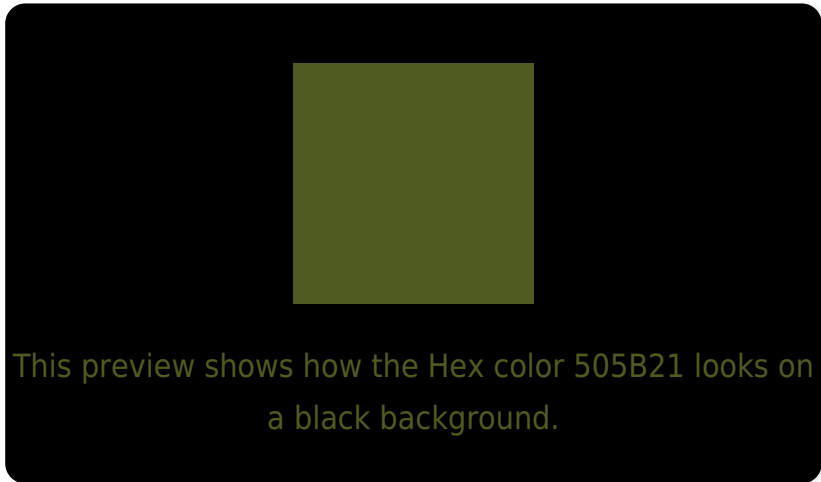
Large Text (above 18pt) WCAG AA ✓ Pass

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

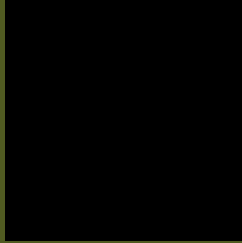
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 505B21 Background



This preview shows how black text looks on a background with the Hex color 505B21.



This preview shows how white text looks on a background with the Hex color 505B21.

# 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**  
505B21

**Protanopia**  
605620

**Deuteranopia**  
6B5224



**Tritanopia**  
56555C

# Trichromacy



**Original Color**  
505B21

**Protanomaly**  
5A5820

**Deuteranomaly**  
615523

**Tritanomaly**  
545747

# Monochromacy



**Original Color**  
505B21

**Achromatopsia**  
515151

**Achromatomaly**  
515540

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 505B21 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 #505B21 looks like.

```
.text, #text, p{  
    color:#505B21  
}
```

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 #505B21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #505B21
}
```

## Border

The CSS property to change the border of an element to Hex 505B21 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
#505B21 }
```

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

```
.border{ border-color:#505B21 }
```

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

Here you see how a box with a 4 pixel #505B21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #505B21; -webkit-box-shadow:4px 4px  
4px 4px #505B21; box-shadow:4px 4px 4px  
4px #505B21 }
```

# Background

The CSS property to change the background color of an element to Hex 505B21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#505B21 }
```

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

```
.background{ background-color:#505B21 }
```

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