

# Converting Colors

Hex(547B20)

Have a look what the booklet for  
Hex(547B20) contains.

<b>Hex(547B20)</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(547B20)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	547B20
RGB	84, 123, 32
RGB Percent	33%, 48%, 13%
CMY	0.6706, 0.5176, 0.8745
CMYK	0.32, 0.00, 0.74, 0.52
HSL	86°, 59%, 30%
HSV	86°, 74%, 48%
XYZ	10.9998, 16.1550, 3.9050
YIQ	100.9650, 5.9670, -36.5690

# Conversions

## Conversions Part 2

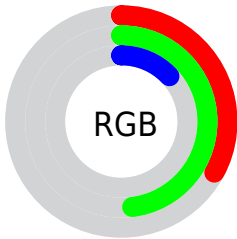
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 123, 71
Decimal	5536544
CIE <sub>Lab</sub>	47.18, -28.65, 42.97
CIE <sub>LCh</sub>	47, 51.649, 123.697
Yxy	16.1550, 0.3541, 0.5201
Android (android.graphics.Color)	4283726624 (0xFF547B20)
YUV	100.9650, -33.9997, -14.8783
Hunter-Lab	40.1933, -21.4876, 22.3750

# Details

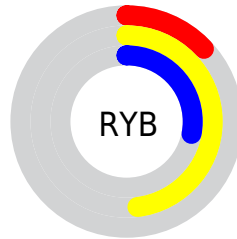
The Hex color **547B20** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **47207B**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **89B053**, and **214A00** is the 20% darker color. If you saturate the color by 10%, you get **4F7B14**, and if you desaturate by 10%, it is **597B2C**.

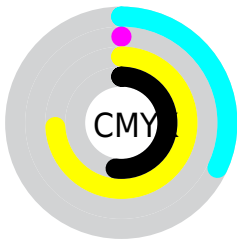
# Distribution



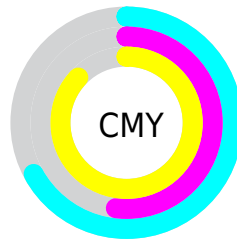
- Red (33%)
- Green (48%)
- Blue (13%)



- Red (13%)
- Yellow (48%)
- Blue (28%)



- Cyan (32%)
- Magenta (0%)
- Yellow (74%)
- Black (52%)



- Cyan (67%)
- Magenta (52%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 547B20 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 547B20 by changing the saturation by 10% instead.



 547B20

 547B20

FFFFFF

 3A6201

 89B053

 214A00

 A4CB6C

 033300

 C0E886

 002000

 DCFFA1

 000000

 FAFFBD

 FFFFD9

 FFFFF6

 547B20

 547B20

■ 4F7B14

■ 597B2C

■ 497B07

■ 5F7B39

■ 467B00

■ 647B45

■ 697B51

■ 6E7B5E

■ 747B6A

■ 797B76

■ 7E7B82

■ 837B8F

# Harmonies

## Analogous

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



817008



547B20



008247

# Triad

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



547B20



007EBD



BD456C

# Complementary

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



547B20



47207B

# 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.



A84F97



547B20



0073C7

# Square

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



547B20



00849F



7762B9



BA4D42

# Rectangle

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



547B20



008465



7762B9



B9467B



# Sweetspot

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



547B20



92A17D



7B4620



49523C



D1D1D1



525252



# Same Dimension

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



547B20



63A112



287B20



3B3D37



477D00



90FC00



# Inverse Universe

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



47207B



4F12A1



73207B



3A373D



36007D



6C00FC



# Previews

## White Background



This preview shows how the Hex color 547B20 looks on a white background.

## Color Contrast Check

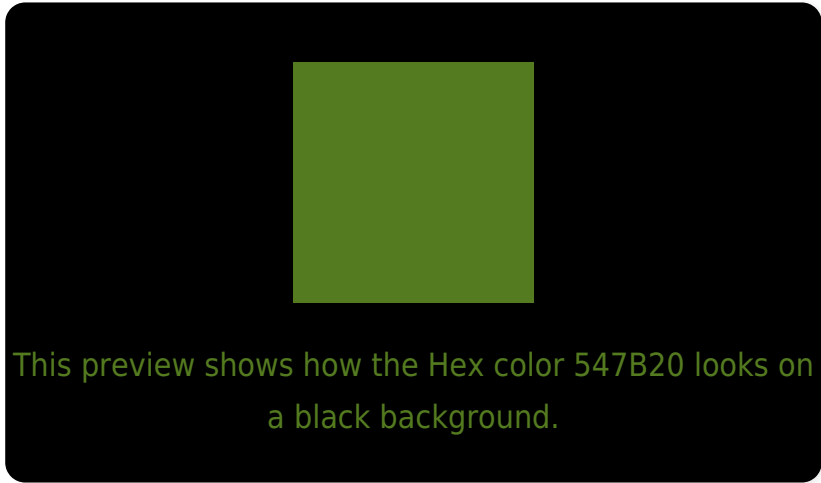
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

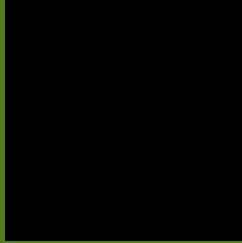
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 547B20 Background



This preview shows how black text looks on a background with the Hex color 547B20.



This preview shows how white text looks on a background with the Hex color 547B20.

# 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](#).

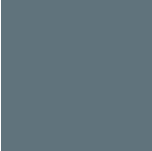
## Dichromacy



**Original Color**  
547B20

**Protanopia**  
7D701D

**Deuteranopia**  
8B6A27



**Tritanopia**  
60737C

# Trichromacy



**Original Color**  
547B20

**Protanomaly**  
6E741E

**Deuteranomaly**  
777024

**Tritanomaly**  
5C765B

# Monochromacy



**Original Color**  
547B20

**Achromatopsia**  
656565

**Achromatomaly**  
5F6D4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 547B20 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 #547B20 looks like.

```
.text, #text, p{  
    color:#547B20  
}
```

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 #547B20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #547B20
}
```

## Border

The CSS property to change the border of an element to Hex 547B20 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
#547B20 }
```

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

```
.border{ border-color:#547B20 }
```

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

Here you see how a box with a 4 pixel #547B20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #547B20; -webkit-box-shadow:4px 4px  
4px 4px #547B20; box-shadow:4px 4px 4px  
4px #547B20 }
```

# Background

The CSS property to change the background color of an element to Hex 547B20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#547B20 }
```

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

```
.background{ background-color:#547B20 }
```

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