

# Converting Colors

Decimal(2317852)

Have a look what the booklet for  
Decimal(2317852) contains.

<b>Decimal(2317852)</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

**Decimal(2317852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	235E1C
RGB	35, 94, 28
RGB Percent	14%, 37%, 11%
CMY	0.8627, 0.6314, 0.8902
CMYK	0.63, 0.00, 0.70, 0.63
HSL	114°, 54%, 24%
HSV	114°, 70%, 37%
XYZ	4.9054, 8.4466, 2.4704
YIQ	68.8350, -13.9780, -33.0340

# Conversions

## Conversions Part 2

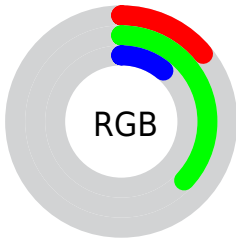
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	28, 94, 87
Decimal	2317852
CIE Lab	34.90, -33.22, 31.13
CIE LCh	35, 45.529, 136.859
Yxy	8.4466, 0.3100, 0.5338
Android (android.graphics.Color)	4280507932 (0xFF235E1C)
YUV	68.8350, -20.1317, -29.6733
Hunter-Lab	29.0630, -20.7318, 15.3043

# Details

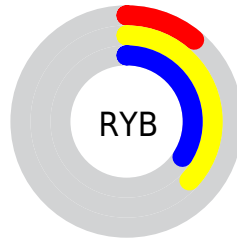
The Decimal color **2317852** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5708894**, and the grayscale version is **4539717**.

A 20% lighter version of the original color is **5738827**, and **12032** is the 20% darker color. If you saturate the color by 10%, you get **1793555**, and if you desaturate by 10%, it is **2842149**.

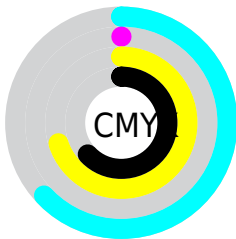
# Distribution



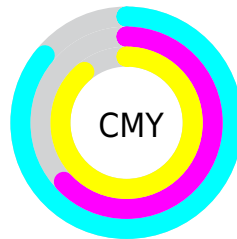
- Red (14%)
- Green (37%)
- Blue (11%)



- Red (11%)
- Yellow (37%)
- Blue (34%)



- Cyan (63%)
- Magenta (0%)
- Yellow (70%)
- Black (63%)



- Cyan (86%)
- Magenta (63%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 2317852 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 Decimal color 2317852 by changing the saturation by 10% instead.





2317852



2317852

16777215



148995



5738827



12032



7449700



6656



9226109



0



11003032



12844979



14745550



16646123



2317852



2317852

■ 1793555

■ 2842149

■ 1203721

■ 3431983

■ 679424

■ 3956280

■ 4546114

■ 5070411

■ 5594708

■ 6184542

■ 6708839

■ 7298673

# Harmonies

## Analogous

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



5265152



2317852



25152

# Triad

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



2317852



23449



9645631

# Complementary

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



2317852



5708894

# 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.



9121636



2317852



2969496

# Square

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



2317852



24966



7159684



8928030

# Rectangle

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



2317852



25434



7159684



9579595



# Sweetspot

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



2317852



6519393



6182428



3161390



12434877



4013373



# Same Dimension

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



2317852



1997332



1859125



2764329



814592



1699072



# Inverse Universe

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



5708894



7279738



6167621



2959662



6422638

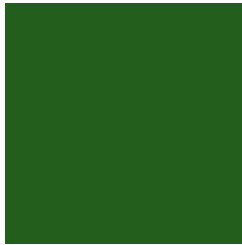


13893869



# Previews

## White Background



This preview shows how the Decimal color 2317852 looks on a white background.

## Color Contrast Check

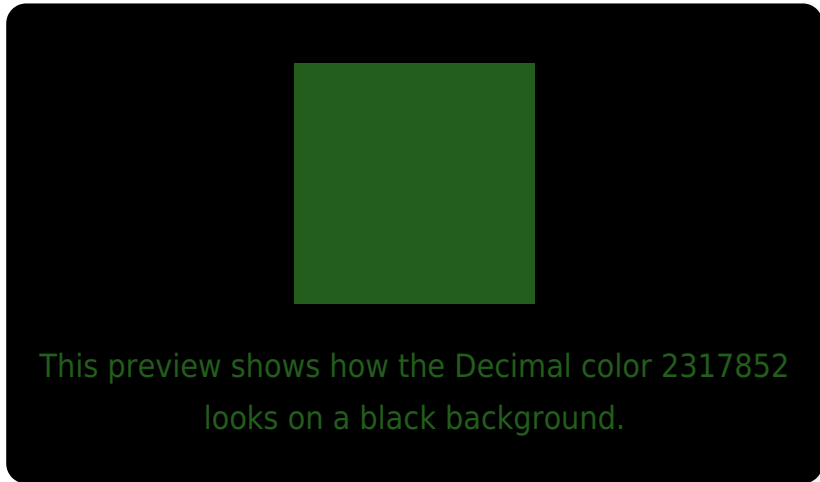
Large Text (above 18pt) WCAG AA ✓ Pass

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

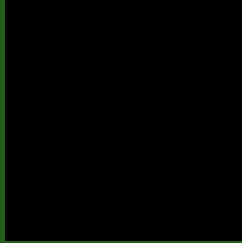
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 2317852 Background



This preview shows how black text looks on a background with the Decimal color 2317852.



This preview shows how white text looks on a background with the Decimal color 2317852.

# 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**  
2317852

**Protanopia**  
6050329

**Deuteranopia**  
6704674



**Tritanopia**  
3299423

# Trichromacy



**Original Color**  
2317852

**Protanomaly**  
4675098

**Deuteranomaly**  
5133344

**Tritanomaly**  
2972231

# Monochromacy



**Original Color**  
2317852

**Achromatopsia**  
4539717

**Achromatomaly**  
3755574

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 2317852 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 #235E1C looks like.

```
.text, #text, p{  
    color:#235E1C  
}
```

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 #235E1C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235E1C
}
```

## Border

The CSS property to change the border of an element to Decimal 2317852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

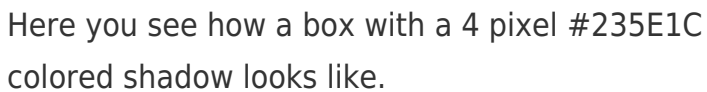
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#235E1C }
```

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

```
.border{ border-color:#235E1C }
```

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



Here you see how a box with a 4 pixel #235E1C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235E1C; -webkit-box-shadow:4px 4px  
4px 4px #235E1C; box-shadow:4px 4px 4px  
4px #235E1C }
```

# Background

The CSS property to change the background color of an element to Decimal 2317852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235E1C }
```

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

```
.background{ background-color:#235E1C }
```

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