

# Converting Colors

Decimal(10014002)

Have a look what the booklet for  
Decimal(10014002) contains.

<b>Decimal(10014002)</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**

**Decimal(10014002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98CD32
RGB	152, 205, 50
RGB Percent	60%, 80%, 20%
CMY	0.4039, 0.1961, 0.8039
CMYK	0.26, 0.00, 0.76, 0.20
HSL	81°, 61%, 50%
HSV	81°, 76%, 80%
XYZ	35.3559, 50.5683, 10.9148
YIQ	171.4830, 18.1670, -59.4410

# Conversions

## Conversions Part 2

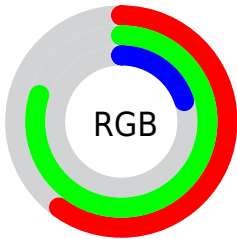
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 205, 103
Decimal	10014002
CIELab	76.42, -38.76, 66.43
CIELCh	76, 76.910, 120.258
Yxy	50.5683, 0.3651, 0.5222
Android (android.graphics.Color)	4288204082 (0xFF98CD32)
YUV	171.4830, -59.8911, -17.0866
Hunter-Lab	71.1114, -35.6964, 40.6776

# Details

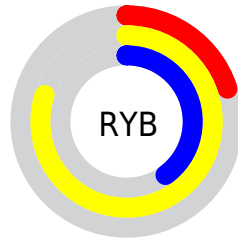
The Decimal color **10014002** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **6763213**, and the grayscale version is **11316396**.

A 20% lighter version of the original color is **13827948**, and **6329856** is the 20% darker color. If you saturate the color by 10%, you get **9555230**, and if you desaturate by 10%, it is **10472774**.

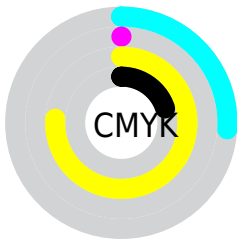
# Distribution



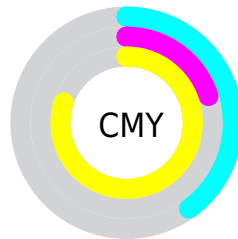
- Red (60%)
- Green (80%)
- Blue (20%)



- Red (20%)
- Yellow (80%)
- Blue (40%)



- Cyan (26%)
- Magenta (0%)
- Yellow (76%)
- Black (20%)






















- Cyan (40%)
- Magenta (20%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 10014002 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 10014002 by changing the saturation by 10% instead.



 10014002	 10014002
 16777215	 8171785
 13827948	 6329856
 15794056	 4422656
 16777124	 2515712
 16777152	 19200
 16777181	 13056
 16777211	 7680
	 0
 10014002	 10014002

■ 9555230

■ 10472774

■ 9096457

■ 10931547

■ 8899840

■ 11390320

■ 11849092

■ 12307865

■ 12766637

■ 13225410

■ 13684182

■ 14142955

# Harmonies

## Analogous

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



14661901



10014002



55410

# Triad

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



10014002



55039



16742079

# Complementary

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



10014002



6763213

# 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.



16747007



10014002



50687

# Square

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



10014002



56831



12298751



16744825

# Rectangle

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



10014002



56482



12298751



16742871

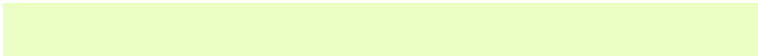


# Sweetspot

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



10014002



15466436



13461042



7569500



0



8421504



# Same Dimension

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



10014002



11599639



5033266



6514268



7185920



1648128



# Inverse Universe

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



6763213



6690815



11743949



6249574



3735718



852006



# Previews

## White Background



This preview shows how the Decimal color 10014002 looks on a white 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

# Black Background



This preview shows how the Decimal color 10014002 looks on a black 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

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



## Decimal 10014002 Background



This preview shows how black text looks on a background with the Decimal color 10014002.



This preview shows how white text looks on a background with the Decimal color 10014002.

# 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**  
10014002

**Protanopia**  
13876270

**Deuteranopia**  
15446589



**Tritanopia**  
11190222

# Trichromacy



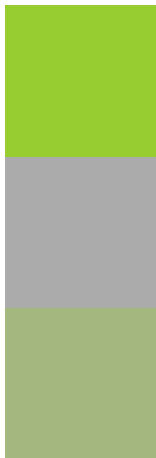
**Original Color**  
10014002

**Protanomaly**  
12501551

**Deuteranomaly**  
13483065

**Tritanomaly**  
10732693

# Monochromacy



**Original Color**  
10014002

**Achromatopsia**  
11250603

**Achromatomaly**  
10794879

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 10014002 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 #98CD32 looks like.

```
.text, #text, p{  
    color:#98CD32  
}
```

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 #98CD32 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #98CD32
}
```

## Border

The CSS property to change the border of an element to Decimal 10014002 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
#98CD32 }
```

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

```
.border{ border-color:#98CD32 }
```

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

Here you see how a box with a 4 pixel #98CD32 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #98CD32; -webkit-box-shadow:4px 4px  
4px 4px #98CD32; box-shadow:4px 4px 4px  
4px #98CD32 }
```

# Background

The CSS property to change the background color of an element to Decimal 10014002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#98CD32 }
```

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

```
.background{ background-color:#98CD32 }
```

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