

# Converting Colors

Decimal(2505)

Have a look what the booklet for  
Decimal(2505) contains.

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# Color

**Decimal(2505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0009C9
RGB	0, 9, 201
RGB Percent	0%, 4%, 79%
CMY	1.0000, 0.9647, 0.2118
CMYK	1.00, 0.96, 0.00, 0.21
HSL	237°, 100%, 39%
HSV	237°, 100%, 79%
XYZ	10.6403, 4.4124, 55.5492
YIQ	28.1970, -66.9960, 57.8040

# Conversions

## Conversions Part 2

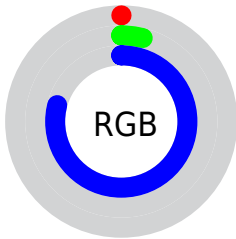
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 9, 201
Decimal	2505
CIELab	24.99, 64.29, -89.14
CIELCh	25, 109.904, 305.803
Yxy	4.4124, 0.1507, 0.0625
Android (android.graphics.Color)	4278192585 (0xFF0009C9)
YUV	28.1970, 85.1919, -24.7288
Hunter-Lab	21.0058, 53.6577, -142.0869

# Details

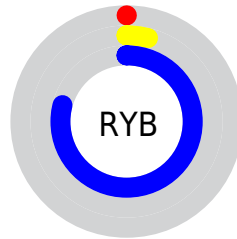
The Decimal color **2505** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **13221888**, and the grayscale version is **1776411**.

A 20% lighter version of the original color is **6898687**, and **145** is the 20% darker color. If you saturate the color by 10%, you get **2505**, and if you desaturate by 10%, it is **1318089**.

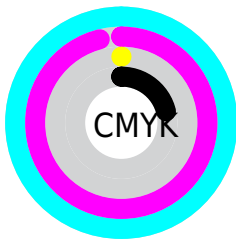
# Distribution



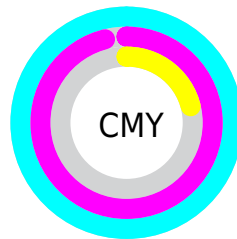
- Red (0%)
- Green (4%)
- Blue (79%)



- Red (0%)
- Yellow (4%)
- Blue (79%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (21%)





















- Cyan (100%)
- Magenta (96%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 2505 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 2505 by changing the saturation by 10% instead.



 2505	 2505
 16777215	 173
 6898687	 145
 9133567	 118
 11237375	 3676
 13275903	 1860
 15380223	 813
 16763647	 279
 16771071	 0

 2505

■ 1318089

■ 2633673

■ 3949513

■ 5265097

■ 6646217

■ 7961801

■ 9277385

■ 10593225

■ 11908809

# Harmonies

## Analogous

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



18923



2505



10485890

# Triad

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



2505



8128512



21323

# Complementary

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



2505



13221888

# 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.



20480



2505



3882752

# Square

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



2505



11075584



19456



22175

# Rectangle

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



2505



12058699



19456



21037



# Sweetspot

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



2505



11777791



51647



5395584



0



8421504



# Same Dimension

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



2505



3071



5898441



5921379



1955



548



# Inverse Universe

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



13172745



16711691



7325952



6511194



10682375

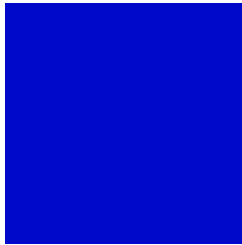


2359298



# Previews

## White Background



This preview shows how the Decimal color 2505 looks on a white background.

## Color Contrast Check

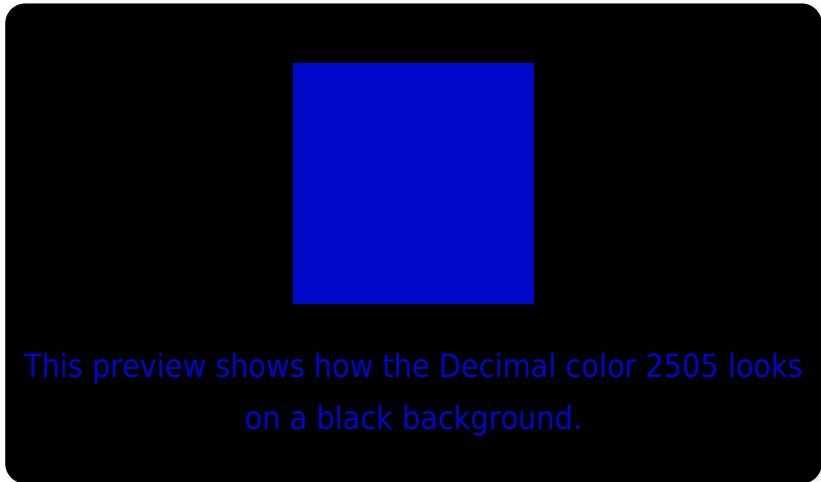
Large Text (above 18pt) WCAG AA ✓ Pass

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

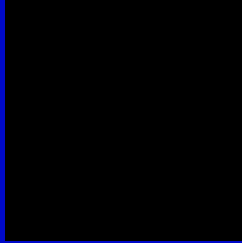
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 2505 Background



This preview shows how black text looks on a background with the Decimal color 2505.

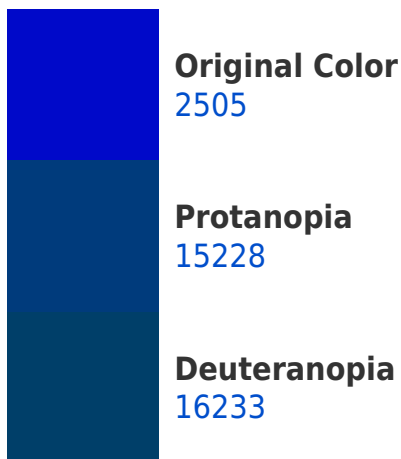


This preview shows how white text looks on a background with the Decimal color 2505.

# 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](#).

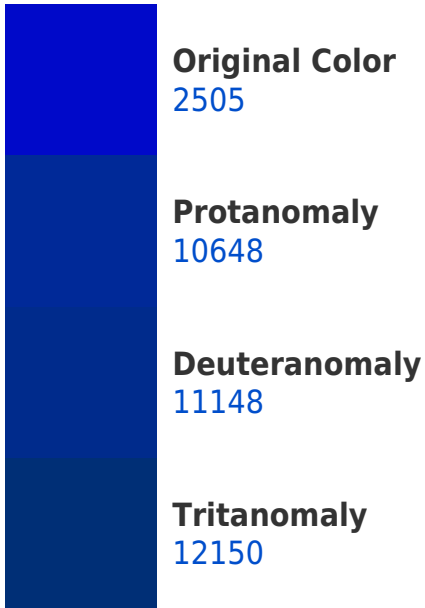
## Dichromacy



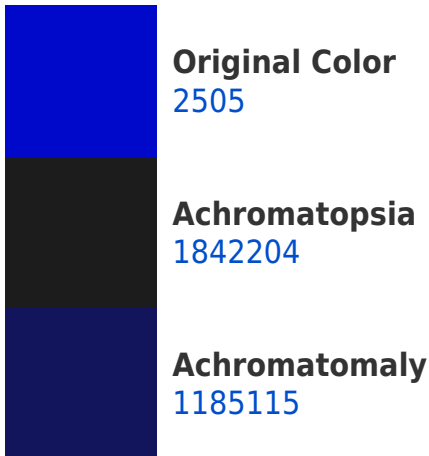


**Tritanopia**  
17479

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 2505 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 #0009C9 looks like.

```
.text, #text, p{  
    color:#0009C9  
}
```

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 #0000C9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0000C9
}
```

## Border

The CSS property to change the border of an element to Decimal 2505 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
#0000C9 }
```

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

```
.border{ border-color:#0009C9 }
```

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

Here you see how a box with a 4 pixel #0009C9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0009C9; -webkit-box-shadow:4px 4px  
4px 4px #0009C9; box-shadow:4px 4px 4px  
4px #0009C9 }
```

# Background

The CSS property to change the background color of an element to Decimal 2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0009C9 }
```

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

```
.background{ background-color:#0009C9 }
```

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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