

# Converting Colors

Decimal(78421)

Have a look what the booklet for  
Decimal(78421) contains.

<b>Decimal(78421)</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(78421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	013255
RGB	1, 50, 85
RGB Percent	0%, 20%, 33%
CMY	0.9961, 0.8039, 0.6667
CMYK	0.99, 0.41, 0.00, 0.67
HSL	205°, 98%, 17%
HSV	205°, 99%, 33%
XYZ	2.7928, 2.9435, 9.0153
YIQ	39.3390, -40.4390, 0.4970

# Conversions

## Conversions Part 2

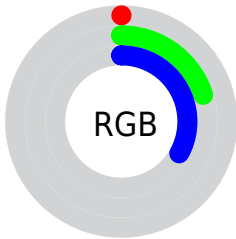
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	1, 32, 85
Decimal	78421
CIE Lab	19.82, -0.09, -25.42
CIE LCh	20, 25.418, 269.796
Yxy	2.9435, 0.1893, 0.1995
Android (android.graphics.Color)	4278268501 (0xFF013255)
YUV	39.3390, 22.5109, -33.6233
Hunter-Lab	17.1567, -0.9676, -19.1452

# Details

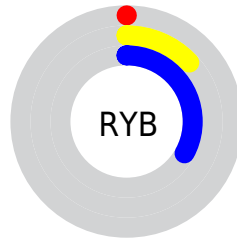
The Decimal color **78421** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5579777**, and the grayscale version is **2565927**.

A 20% lighter version of the original color is **4153479**, and **808** is the 20% darker color. If you saturate the color by 10%, you get **12885**, and if you desaturate by 10%, it is **603733**.

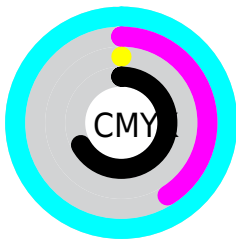
# Distribution



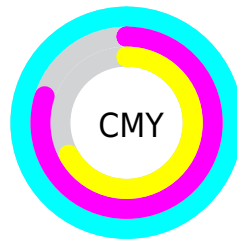
- Red (0%)
- Green (20%)
- Blue (33%)



- Red (0%)
- Yellow (13%)
- Blue (33%)



- Cyan (99%)
- Magenta (41%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (80%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 78421 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 78421 by changing the saturation by 10% instead.



■ 78421                      ■ 78421

16777215                      ■ 7486

■ 4153479                      ■ 808

■ 5863841                      ■ 273

■ 7574204                      ■ 0

■ 9350616

■ 11127029

■ 12969215

■ 14876671

■ 78421                      ■ 78421

■ 12885

■ 603733

■ 1194325

■ 1719637

■ 2310229

■ 2835541

■ 3426133

■ 3951445

■ 4542037

■ 5067349

# Harmonies

## Analogous

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



14160



78421



3156816

# Triad

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



78421



5316895



866076

# Complementary

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



78421



557977

# 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.



2569229



78421



4728848

# Square

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



78421



5316401



3813127



14639

# Rectangle

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



78421



4204104



3813127



1586967



# Sweetspot

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



78421



5070958



87332



2371640



12105912



3684408



# Same Dimension

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



78421



16494



67669



2566699



15979



35307



# Inverse Universe

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



5570866



7209024



5590529



2828074



7012414



15401097



# Previews

## White Background



This preview shows how the Decimal color 78421 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

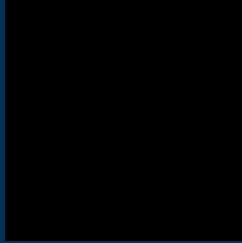
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 78421 Background



This preview shows how black text looks on a background with the Decimal color 78421.



This preview shows how white text looks on a background with the Decimal color 78421.

# 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**  
78421

**Protanopia**  
2240339

**Deuteranopia**  
1192277



# Trichromacy



**Original Color**  
78421

**Protanomaly**  
1454164

**Deuteranomaly**  
799061

**Tritanomaly**  
13636

# Monochromacy



**Original Color**  
78421

**Achromatopsia**  
2565927

**Achromatomaly**  
1649464

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 78421 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 #013255 looks like.

```
.text, #text, p{  
    color:#013255  
}
```

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 #013255 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #013255
}
```

## Border

The CSS property to change the border of an element to Decimal 78421 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
#013255 }
```

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

```
.border{ border-color:#013255 }
```

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

Here you see how a box with a 4 pixel #013255 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #013255; -webkit-box-shadow:4px 4px  
4px 4px #013255; box-shadow:4px 4px 4px  
4px #013255 }
```

# Background

The CSS property to change the background color of an element to Decimal 78421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#013255 }
```

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

```
.background{ background-color:#013255 }
```

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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