

# Converting Colors

Hex(4CD965)

Have a look what the booklet for  
Hex(4CD965) contains.

<b>Hex(4CD965)</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**

**Hex(4CD965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CD965
RGB	76, 217, 101
RGB Percent	30%, 85%, 40%
CMY	0.7020, 0.1490, 0.6039
CMYK	0.65, 0.00, 0.53, 0.15
HSL	131°, 65%, 57%
HSV	131°, 65%, 85%
XYZ	30.1423, 52.1018, 20.7799
YIQ	161.6170, -46.8000, -65.9680

# Conversions

## Conversions Part 2

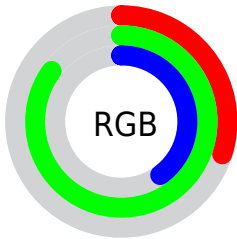
Format	Color
<a href="#">RYB</a>	<a href="#">76, 196, 217</a>
Decimal	<a href="#">5036389</a>
CIELab	<a href="#">77.34, -61.36, 45.79</a>
CIELCh	<a href="#">77, 76.563, 143.273</a>
Yxy	<a href="#">52.1018, 0.2926, 0.5057</a>
Android (android.graphics.Color)	<a href="#">4283226469 (0xFF4CD965)</a>
YUV	<a href="#">161.6170, -29.8842, -75.0861</a>
Hunter-Lab	<a href="#">72.1816, -51.7779, 33.4585</a>

# Details

The Hex color **4CD965** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **D94CC0**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **8BFF9A**, and **00A131** is the 20% darker color. If you saturate the color by 10%, you get **36D953**, and if you desaturate by 10%, it is **62D977**.

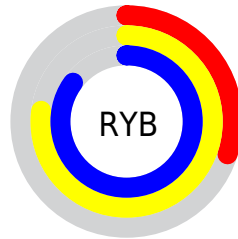
# Distribution



Red (30%)

Green (85%)

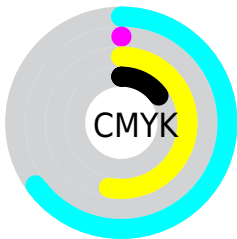
Blue (40%)



Red (30%)

Yellow (77%)

Blue (85%)

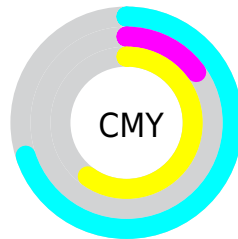


Cyan (65%)

Magenta (0%)

Yellow (53%)

Black (15%)



Cyan (70%)

Magenta (15%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4CD965 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 4CD965 by changing the saturation by 10% instead.



 4CD965

 4CD965

FFFFFF

 24BD4B

 8BFF9A

 00A131

 AAFFB6

 008615

 C8FFD2

 006B00

 E6FFE6

 005200

 003900

 002100

 000000

 4CD965

 4CD965

 36D953

 62D977

 21D941

 77D989

 0BD92F

 8DD99B

 00D926

 A3D9AC

 B9D9BE

 CED9D0

 E4D9E2

 FAD9F4

 FFD9FF

# Harmonies

## Analogous

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



ADCC29



4CD965



00DFAC

# Triad

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



4CD965



00CCFF



FF7F8B

# Complementary

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



4CD965



D94CC0

# 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.



FF7BD2



4CD965



A1B3FF

# Square

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



4CD965



00DBFF



FF93FF



FF994D

# Rectangle

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



4CD965



00E1DE



FF93FF



FF7AA2

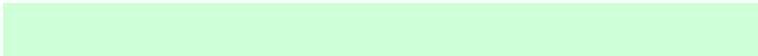


# Sweetspot

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



4CD965



CFFFD7



C2D94C



628067



000000



808080



# Same Dimension

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



4CD965



38FF5B



4CD9AA



636E65



00AD1F



002E08



# Inverse Universe

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



D94CC0



FF38DC



D94C7B



6E636C



AD008F

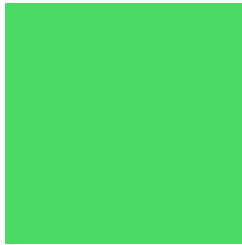


2E0026



# Previews

## White Background



This preview shows how the Hex color 4CD965 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 Hex color 4CD965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

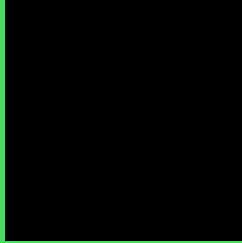
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 4CD965 Background



This preview shows how black text looks on a background with the Hex color 4CD965.

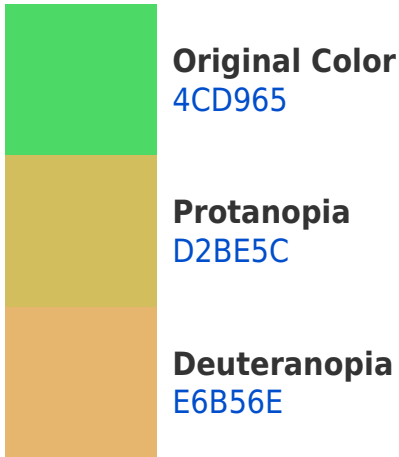


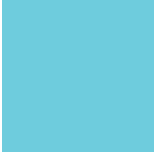
This preview shows how white text looks on a background with the Hex color 4CD965.

# Color Blindness Simulation

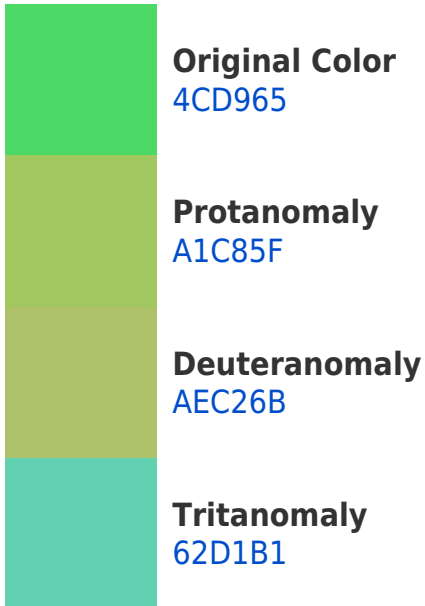
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

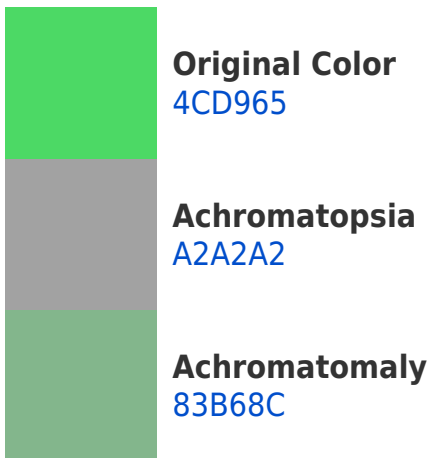




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4CD965 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 #4CD965 looks like.

```
.text, #text, p{  
    color:#4CD965  
}
```

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 #4CD965 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4CD965
}
```

## Border

The CSS property to change the border of an element to Hex 4CD965 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
#4CD965 }
```

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

```
.border{ border-color:#4CD965 }
```

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

Here you see how a box with a 4 pixel #4CD965 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4CD965; -webkit-box-shadow:4px 4px  
4px 4px #4CD965; box-shadow:4px 4px 4px  
4px #4CD965 }
```

# Background

The CSS property to change the background color of an element to Hex 4CD965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4CD965 }
```

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

```
.background{ background-color:#4CD965 }
```

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