

# Converting Colors

Hex(DDD221)

Have a look what the booklet for  
Hex(DDD221) contains.

<b>Hex(DDD221)</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**

**Hex(DDD221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD221
RGB	221, 210, 33
RGB Percent	87%, 82%, 13%
CMY	0.1333, 0.1765, 0.8706
CMYK	0.00, 0.05, 0.85, 0.13
HSL	56°, 74%, 50%
HSV	56°, 85%, 87%
XYZ	53.1399, 61.5751, 10.5233
YIQ	193.1110, 63.3730, -52.7150

# Conversions

## Conversions Part 2

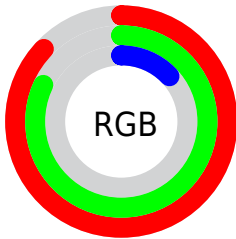
Format	Color
R <sub>Y</sub> B	45, 221, 33
Decimal	14537249
CIE Lab	82.69, -13.47, 78.37
CIE LCh	83, 79.517, 99.752
Yxy	61.5751, 0.4243, 0.4917
Android (android.graphics.Color)	4292727329 (0xFFDDD221)
YUV	193.1110, -78.9347, 24.4587
Hunter-Lab	78.4698, -16.4417, 46.9777

# Details

The Hex color **DDD221** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **212CDD**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **FFFF62**, and **A19C00** is the 20% darker color. If you saturate the color by 10%, you get **DDD10B**, and if you desaturate by 10%, it is **DDD337**.

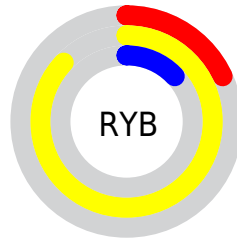
# Distribution



Red (87%)

Green (82%)

Blue (13%)



Red (18%)

Yellow (87%)

Blue (13%)

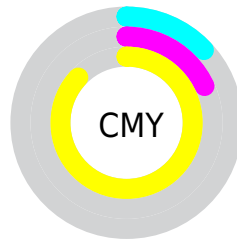


Cyan (0%)

Magenta (5%)

Yellow (85%)

Black (13%)



Cyan (13%)

Magenta (18%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DDD221 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 DDD221 by changing the saturation by 10% instead.



 DDD221

 DDD221

FFFFFF

 BFB700

 FFFF62

 A19C00

 FFFF7F

 848200

 FFFF9C

 686900

 FFFFB9

 4C5100

 FFFFD6

 323B00

 FFFFF4

 192500

 001100

 000000

 DDD221

 DDD221

 DDD10B

 DDD337

 DDD000

 DDD54D

 DDD663

 DDD779

 DDD890

 DDDAA6

 DDDBBC

 DDDCD2

 DDDEE8

# Harmonies

## Analogous

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



FFB738



DDD221



8BE451

# Triad

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



DDD221



00EFFF



FF90FF

# Complementary

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



DDD221



212CDD

# 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.



F0AFFF



DDD221



00E4FF

# Square

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



DDD221



00F1E5



57CEFF



FF85B8

# Rectangle

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



DDD221



29EB7E



57CEFF



FF99FF



# Sweetspot

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



DDD221



FFBBD



DD212E



807D58



000000



808080



# Same Dimension

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



DDD221



FFF000



8CDD21



6E6D63



ADA300



2E2B00



# Inverse Universe

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



212CDD



000FFF



7221DD



63636E



000AAD



00032E



# Previews

## White Background



This preview shows how the Hex color DDD221 looks on a white background.

## Color Contrast Check

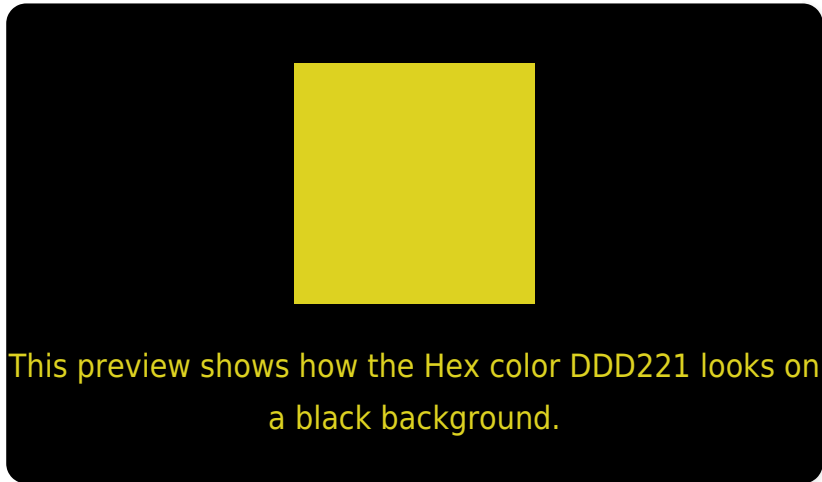
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 DDD221 Background



This preview shows how black text looks on a background with the Hex color DDD221.

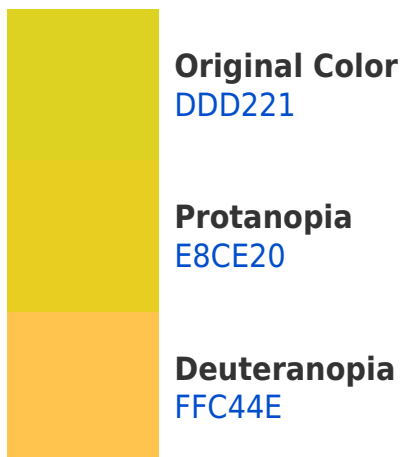


This preview shows how white text looks on a background with the Hex color DDD221.

# Color Blindness Simulation

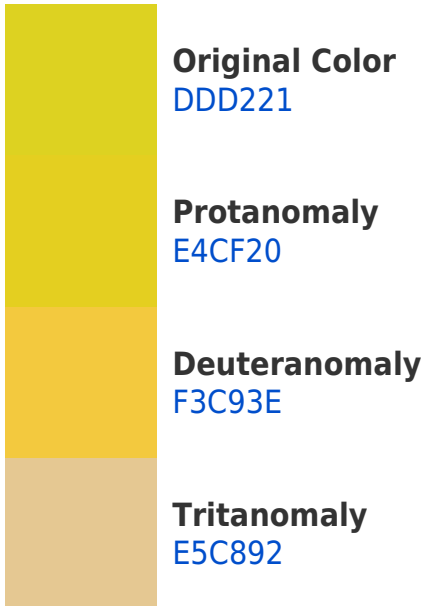
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

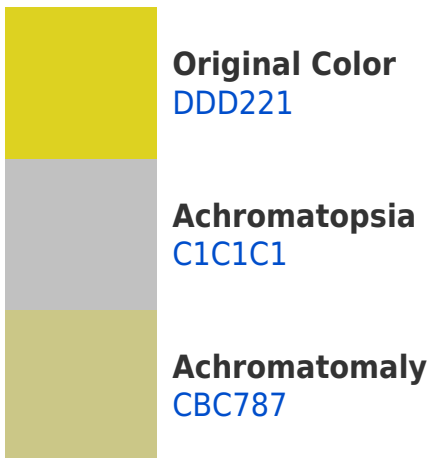




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DDD221 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 #DDD221 looks like.

```
.text, #text, p{  
    color:#DDD221  
}
```

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 #DDD221 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DDD221
}
```

## Border

The CSS property to change the border of an element to Hex DDD221 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
#DDD221 }
```

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

```
.border{ border-color:#DDD221 }
```

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

Here you see how a box with a 4 pixel #DDD221 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DDD221; -webkit-box-shadow:4px 4px  
4px 4px #DDD221; box-shadow:4px 4px 4px  
4px #DDD221 }
```

# Background

The CSS property to change the background color of an element to Hex DDD221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DDD221 }
```

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

```
.background{ background-color:#DDD221 }
```

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