

# Converting Colors

Hex(DC40E8)

Have a look what the booklet for  
Hex(DC40E8) contains.

<b>Hex(DC40E8)</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(DC40E8)

# Conversions

## Conversions Part 1

Format	Color
Hex	DC40E8
RGB	220, 64, 232
RGB Percent	86%, 25%, 91%
CMY	0.1373, 0.7490, 0.0902
CMYK	0.05, 0.72, 0.00, 0.09
HSL	296°, 79%, 58%
HSV	296°, 72%, 91%
XYZ	45.9141, 24.7086, 78.6932
YIQ	129.7960, 39.0480, 85.3200

# Conversions

## Conversions Part 2

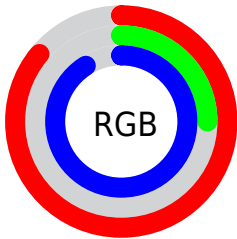
Format	Color
R <sub>YB</sub>	220, 64, 232
Decimal	14434536
CIE Lab	56.79, 78.57, -53.98
CIE LCh	57, 95.325, 325.508
Yxy	24.7086, 0.3075, 0.1655
Android (android.graphics.Color)	4292624616 (0xFFDC40E8)
YUV	129.7960, 50.3866, 79.1089
Hunter-Lab	49.7078, 77.8883, -59.0676

# Details

The Hex color **DC40E8** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **4CE840**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **FF7EFF**, and **A100B0** is the 20% darker color. If you saturate the color by 10%, you get **DA29E8**, and if you desaturate by 10%, it is **DE57E8**.

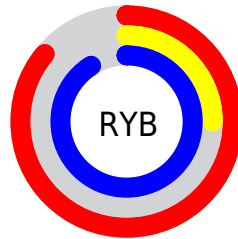
# Distribution



Red (86%)

Green (25%)

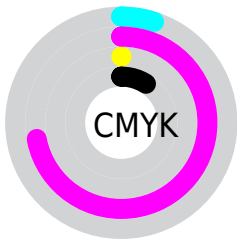
Blue (91%)



Red (86%)

Yellow (25%)

Blue (91%)

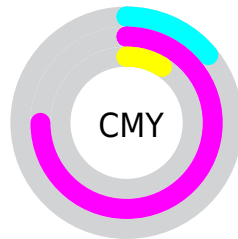


Cyan (5%)

Magenta (72%)

Yellow (0%)

Black (9%)



Cyan (14%)

Magenta (75%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DC40E8 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 DC40E8 by changing the saturation by 10% instead.



 DC40E8

 DC40E8

FFFFFF

 BE16CB

 FF7EFF

 A100B0

 FF9BFF

 840094

 FFB9FF

 67007A

 FFD7FF

 4B0060

 FFF5FF

 300048

 0B0030

 00011A

 000000

 DC40E8

 DC40E8

 DA29E8

 DE57E8

 D912E8

 DF6EE8

 D700E8

 E186E8

 E39DE8

 E4B4E8

 E6CBE8

 E8E2E8

 E9FAE8

 EBFFE8

# Harmonies

## Analogous

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



4F78FF



DC40E8



FF0099

# Triad

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



DC40E8



B08100



00AACE

# Complementary

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



DC40E8



4CE840

# 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.



00A979



DC40E8



609800

# Square

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



DC40E8



EC5800



00A415



00A6FF

# Rectangle

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



DC40E8



FF0062



00A415



00AAB3



# Sweetspot

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



DC40E8



FBC7FF



404EE8



7D5E80



000000



808080



# Same Dimension

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



DC40E8



EF21FF



E840A2



726773



A600B3



2F0033



# Inverse Universe

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



E8404C



FF2131



40E886



736768



B3000D

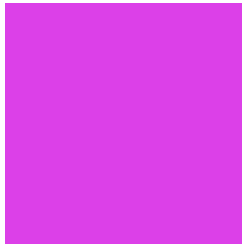


330004



# Previews

## White Background



This preview shows how the Hex color DC40E8 looks on a white background.

## Color Contrast Check

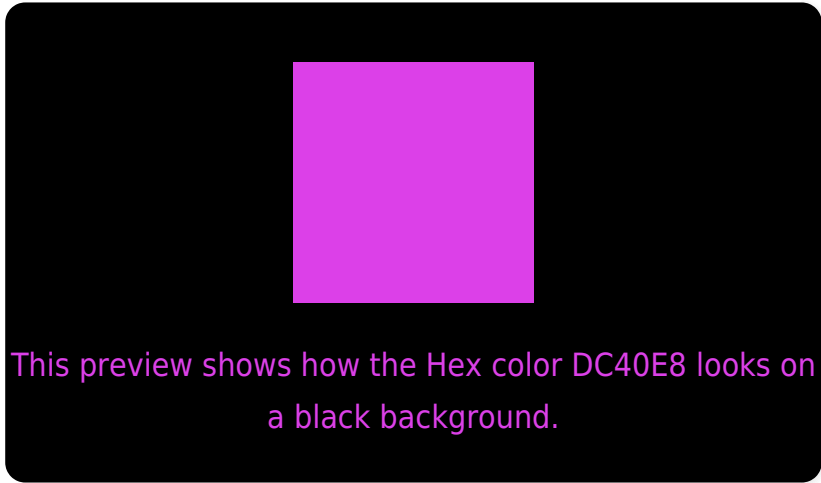
Large Text (above 18pt) WCAG AA ✓ Pass

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

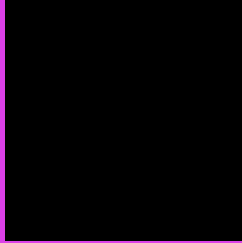
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex DC40E8 Background



This preview shows how black text looks on a background with the Hex color DC40E8.

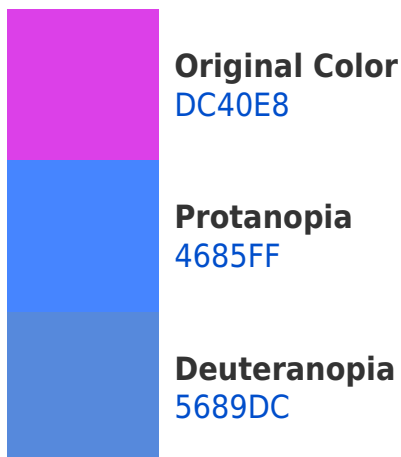


This preview shows how white text looks on a background with the Hex color DC40E8.

# 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



**Original Color**  
DC40E8



**Protanomaly**  
7D6CF7



**Deuteranomaly**  
876EE0



**Tritanomaly**  
D35B9C

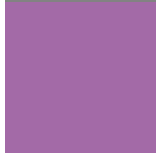
# Monochromacy



**Original Color**  
DC40E8



**Achromatopsia**  
828282



**Achromatomaly**  
A36AA7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DC40E8 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 #DC40E8 looks like.

```
.text, #text, p{  
    color:#DC40E8  
}
```

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 #DC40E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DC40E8
}
```

## Border

The CSS property to change the border of an element to Hex DC40E8 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
#DC40E8 }
```

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

```
.border{ border-color:#DC40E8 }
```

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

Here you see how a box with a 4 pixel #DC40E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DC40E8; -webkit-box-shadow:4px 4px  
4px 4px #DC40E8; box-shadow:4px 4px 4px  
4px #DC40E8 }
```

# Background

The CSS property to change the background color of an element to Hex DC40E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DC40E8 }
```

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

```
.background{ background-color:#DC40E8 }
```

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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