

Converting Colors

Hex(DB0012)

Have a look what the booklet for
Hex(DB0012) contains.

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Color

Hex(DB0012)

Conversions

Conversions Part 1

Format	Color
Hex	DB0012
RGB	219, 0, 18
RGB Percent	86%, 0%, 7%
CMY	0.1412, 1.0000, 0.9294
CMYK	0.00, 1.00, 0.92, 0.14
HSL	355°, 100%, 43%
HSV	355°, 100%, 86%
XYZ	29.3226, 15.1037, 1.9421
YIQ	67.5330, 124.7460, 52.0260

Conversions

Conversions Part 2

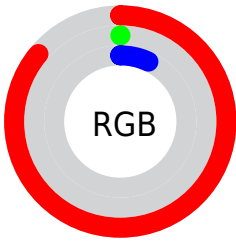
Format	Color
RYB	219, 0, 18
Decimal	14352402
CIELab	45.78, 71.57, 54.25
CIElCh	46, 89.814, 37.162
Yxy	15.1037, 0.6324, 0.3257
Android (android.graphics.Color)	4292542482 (0xFFDB0012)
YUV	67.5330, -24.4198, 132.8366
Hunter-Lab	38.8635, 66.6674, 24.2416

Details

The Hex color **DB0012** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **00DBC9**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **FF5942**, and **9A0000** is the 20% darker color. If you saturate the color by 10%, you get **DB0012**, and if you desaturate by 10%, it is **DB1626**.

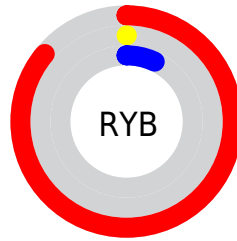
Distribution



Red (86%)

Green (0%)

Blue (7%)



Red (86%)

Yellow (0%)

Blue (7%)

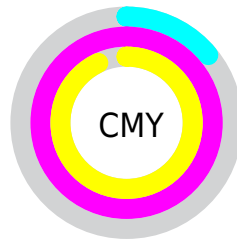


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color DB0012 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 DB0012 by changing the saturation by 10% instead.

 DB0012

 DB0012

FFFFFFE

 BA0000

 FF5942

 9A0000

 FF775B

 790000

 FF9474

 5A0002

 FFB28E

 3C0003

 FFD0A9

 160000

 FFEEC5

 000000

 FFFFE1

 DB0012

 DB1626

 DB2C3A

 DB424E

 DB5862

 DB6E76

 DB838B

 DB999F

 DBAFB3

 DBC5C7

Harmonies

Analogous

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



E9005E



DB0012



B15100

Triad

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



DB0012



00862C



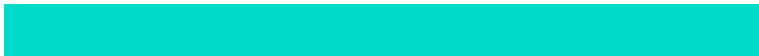
0072FF

Complementary

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



DB0012



00DBC9

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.



0084F9



DB0012



00897D

Square

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



DB0012



007F00



008AC7



7A4CE7

Rectangle

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



DB0012



8B6800



008AC7



007AFF

Sweetspot

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



DB0012



FFB3B9



C900DB



805255



000000



808080

Same Dimension

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



DB0012



FF0015



DB5B00



6E6364



AD000E



2E0004

Inverse Universe

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



DB0012



FF0015



0080DB



6E6364



AD000E



2E0004

Previews

White Background



This preview shows how the Hex color DB0012 looks on a white background.

Color Contrast Check

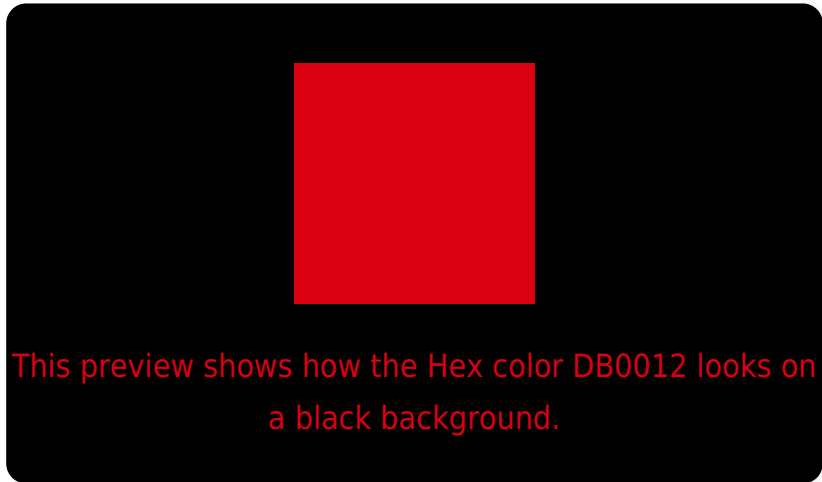
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Hex DB0012 Background



This preview shows how black text looks on a background with the Hex color DB0012.



This preview shows how white text looks on a background with the Hex color DB0012.

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
DB0012

Protanopia
7C6F25

Deuteranopia
8B6900



Tritanopia
D91400

Trichromacy



Original Color
DB0012



Protanomaly
9F471E



Deuteranomaly
A84307



Tritanomaly
DA0D07

Monochromacy



Original Color
DB0012



Achromatopsia
444444



Achromatomaly
7B2B32

CSS Examples

Text

The CSS property to change the color of the text to Hex DB0012 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 #DB0012 looks like.

```
.text, #text, p{  
    color:#DB0012  
}
```

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 #DB0012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB0012
}
```

Border

The CSS property to change the border of an element to Hex DB0012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

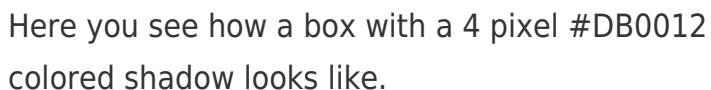
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DB0012 }
```

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

```
.border{ border-color:#DB0012 }
```

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



Here you see how a box with a 4 pixel `#DB0012` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB0012; -webkit-box-shadow:4px 4px  
4px 4px #DB0012; box-shadow:4px 4px 4px  
4px #DB0012 }
```

Background

The CSS property to change the background color of an element to Hex DB0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB0012 }
```

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

```
.background{ background-color:#DB0012 }
```

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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