

Converting Colors

Hex(DB0000)

Have a look what the booklet for
Hex(DB0000) contains.

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Color

Hex(DB0000)

Conversions

Conversions Part 1

Format	Color
Hex	DB0000
RGB	219, 0, 0
RGB Percent	86%, 0%, 0%
CMY	0.1412, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.14
HSL	0°, 100%, 43%
HSV	0°, 100%, 86%
XYZ	29.2134, 15.0601, 1.3672
YIQ	65.4810, 130.5240, 46.4280

Conversions

Conversions Part 2

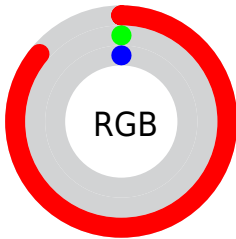
Format	Color
RYB	219, 0, 0
Decimal	14352384
CIELab	45.72, 71.41, 59.92
CIELCh	46, 93.222, 40.000
Yxy	15.0601, 0.6401, 0.3300
Android (android.graphics.Color)	4292542464 (0xFFDB0000)
YUV	65.4810, -32.2821, 134.6362
Hunter-Lab	38.8073, 66.4587, 25.0764

Details

The Hex color **DB0000** 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 **00DBDB**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **FF5836**, and **990000** is the 20% darker color. If you saturate the color by 10%, you get **DB0000**, and if you desaturate by 10%, it is **DB1616**.

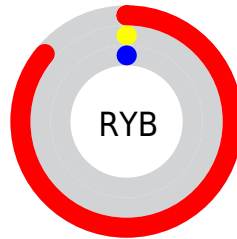
Distribution



Red (86%)

Green (0%)

Blue (0%)



Red (86%)

Yellow (0%)

Blue (0%)

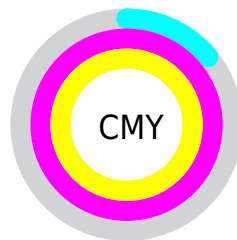


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color DB0000 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 DB0000 by changing the saturation by 10% instead.

 DB0000

 DB0000

 FFFFF2

 BA0000

 FF5836

 990000

 FF774F

 790000

 FF9469

 590002

 FFB283

 3C0003

 FFCF9D

 160000

 FFEDB9

 000000

 FFFF5D

 DB0000

 DB1616

 DB2C2C

 DB4242

 DB5858

 DB6E6E

 DB8383

 DB9999

 DBAFAF

 DBC5C5

Harmonies

Analogous

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



ED0057



DB0000



AD5400

Triad

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



DB0000



008731



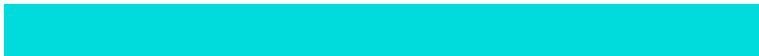
0070FF

Complementary

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



DB0000



00DBDB

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.



0084FF



DB0000



008A86

Square

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



DB0000



008100



008AD1



8645E6

Rectangle

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



DB0000



846A00



008AD1



0078FF

Sweetspot

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



DB0000



FFB3B3



DB00DB



805252



000000



808080

Same Dimension

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



DB0000



FF0000



DB6E00



6E6363



AD0000



2E0000

Inverse Universe

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



00DBDB



00FFFF



006EDB



636E6E



00ADAD



002E2E

Previews

White Background



This preview shows how the Hex color DB0000 looks on a white background.

Color Contrast Check

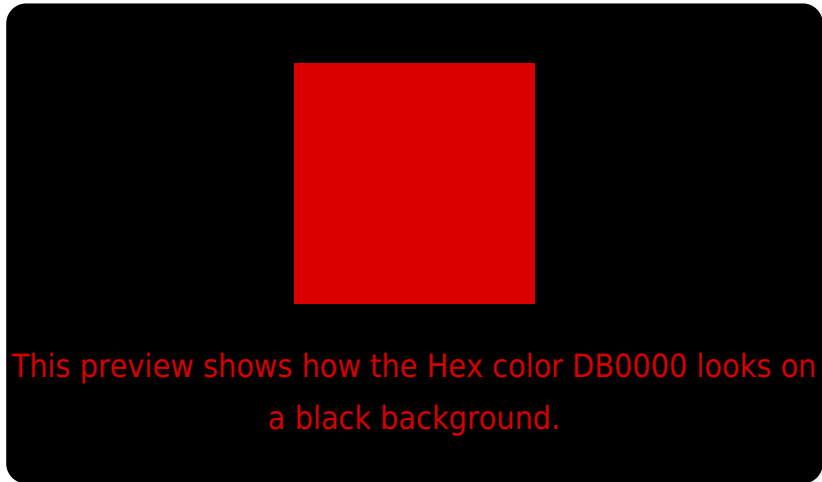
Large Text (above 18pt) WCAG AA ✓ Pass

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 DB0000 Background



This preview shows how black text looks on a background with the Hex color DB0000.



This preview shows how white text looks on a background with the Hex color DB0000.

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
DB0000

Protanopia
7C6F1C

Deuteranopia
8B6900



Tritanopia
D91400

Trichromacy



Original Color
DB0000



Protanomaly
9F4712



Deuteranomaly
A84300



Tritanomaly
DA0D00

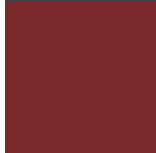
Monochromacy



Original Color
DB0000



Achromatopsia
414141



Achromatomaly
792929

CSS Examples

Text

The CSS property to change the color of the text to Hex DB0000 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 #DB0000 looks like.

```
.text, #text, p{  
    color:#DB0000  
}
```

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 #DB0000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB0000
}
```

Border

The CSS property to change the border of an element to Hex DB0000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

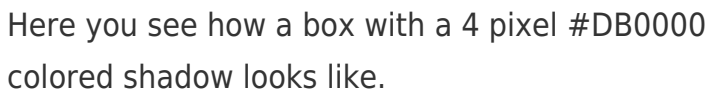
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DB0000 }
```

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

```
.border{ border-color:#DB0000 }
```

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



Here you see how a box with a 4 pixel #DB0000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB0000; -webkit-box-shadow:4px 4px  
4px 4px #DB0000; box-shadow:4px 4px 4px  
4px #DB0000 }
```

Background

The CSS property to change the background color of an element to Hex DB0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB0000 }
```

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

```
.background{ background-color:#DB0000 }
```

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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