

Converting Colors

Hex(23DB34)

Have a look what the booklet for
Hex(23DB34) contains.

Hex(23DB34)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(23DB34)

Conversions

Conversions Part 1

Format	Color
Hex	23DB34
RGB	35, 219, 52
RGB Percent	14%, 86%, 20%
CMY	0.8627, 0.1412, 0.7961
CMYK	0.84, 0.00, 0.76, 0.14
HSL	126°, 72%, 50%
HSV	126°, 84%, 86%
XYZ	26.6445, 51.2683, 11.7403
YIQ	144.9460, -56.0570, -90.9450

Conversions

Conversions Part 2

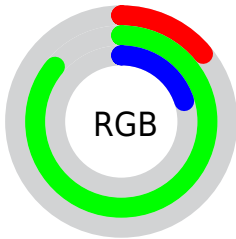
Format	Color
RYB	35, 203, 219
Decimal	2349876
CIELab	76.84, -72.94, 64.88
CIELCh	77, 97.621, 138.349
Yxy	51.2683, 0.2972, 0.5719
Android (android.graphics.Color)	4280539956 (0xFF23DB34)
YUV	144.9460, -45.8224, -96.4226
Hunter-Lab	71.6019, -58.8799, 40.3998

Details

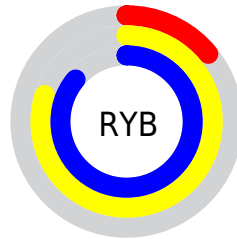
The Hex color **23DB34** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **DB23CA**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **75FF6E**, and **00A200** is the 20% darker color. If you saturate the color by 10%, you get **0DDB20**, and if you desaturate by 10%, it is **39DB48**.

Distribution



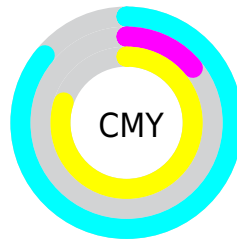
- Red (14%)
- Green (86%)
- Blue (20%)



- Red (14%)
- Yellow (80%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (76%)
- Black (14%)



- Cyan (86%)
- Magenta (14%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 23DB34 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 23DB34 by changing the saturation by 10% instead.

 23DB34

 23DB34

FFFFFF

 00BE0C

 75FF6E

 00A200

 96FF8A

 008700

 B5FFA6

 006C00

 D5FFC3

 005200

 F4FFE0

 003A00

FFFFFFE

 002000

 000000

 23DB34

 23DB34

 0DDB20

 39DB48

 00DB14

 4FDB5C

 65DB70

 7BDB84

 91DB97

 A6DBAB

 BCDBBF

 D2DBD3

 E8DBE7

Harmonies

Analogous

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



B0CA00



23DB34



00E396

Triad

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



23DB34



00D3FF



FF568B

Complementary

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



23DB34



DB23CA

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.



FF58E5



23DB34



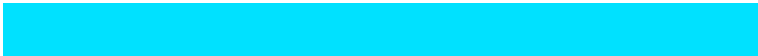
54B5FF

Square

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



23DB34



00E1FF



FF88FF



FF8233

Rectangle

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



23DB34



00E5D5



FF88FF



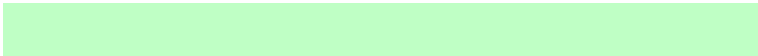
FF4EA8

Sweetspot

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



23DB34



BFFFC5



CCDB23



59805D



000000



808080

Same Dimension

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



23DB34



00FF18



23DB8E



636E64



00AD10



002E04

Inverse Universe

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



DB23CA



FF00E7



DB2370



6E636D



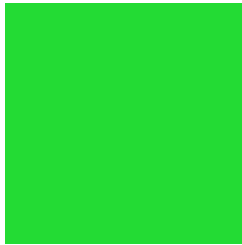
AD009D



2E002A

Previews

White Background



This preview shows how the Hex color 23DB34 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 23DB34 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

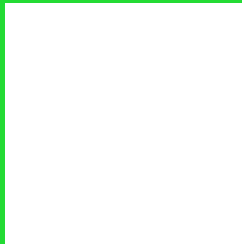
Any Text WCAG AAA ✓ Pass

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

Hex 23DB34 Background



This preview shows how black text looks on a background with the Hex color 23DB34.

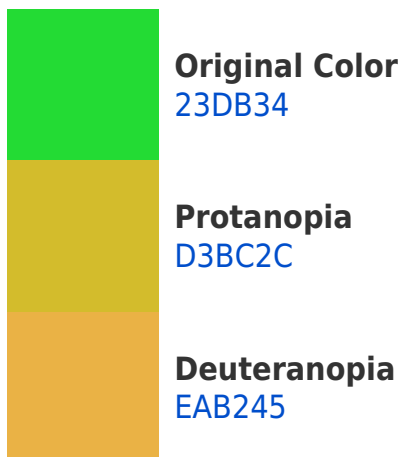


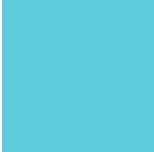
This preview shows how white text looks on a background with the Hex color 23DB34.

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



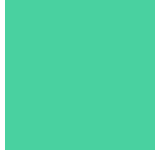
Original Color
23DB34



Protanomaly
93C72F



Deuteranomaly
A2C13F



Tritanomaly
49D1A0

Monochromacy



Original Color
23DB34



Achromatopsia
919191



Achromatomaly
69AC6F

CSS Examples

Text

The CSS property to change the color of the text to Hex 23DB34 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 #23DB34 looks like.

```
.text, #text, p{  
    color:#23DB34  
}
```

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 #23DB34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23DB34
}
```

Border

The CSS property to change the border of an element to Hex 23DB34 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
#23DB34 }
```

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

```
.border{ border-color:#23DB34 }
```

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

Here you see how a box with a 4 pixel #23DB34 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23DB34; -webkit-box-shadow:4px 4px  
4px 4px #23DB34; box-shadow:4px 4px 4px  
4px #23DB34 }
```

Background

The CSS property to change the background color of an element to Hex 23DB34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23DB34 }
```

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

```
.background{ background-color:#23DB34 }
```

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