

# Converting Colors

Hex(B2E248)

Have a look what the booklet for  
Hex(B2E248) contains.

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# **Color**

**Hex(B2E248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E248
RGB	178, 226, 72
RGB Percent	70%, 89%, 28%
CMY	0.3020, 0.1137, 0.7176
CMYK	0.21, 0.00, 0.68, 0.11
HSL	79°, 73%, 58%
HSV	79°, 68%, 89%
XYZ	46.7262, 64.3256, 16.0842
YIQ	194.0920, 20.8260, -58.0700

# Conversions

## Conversions Part 2

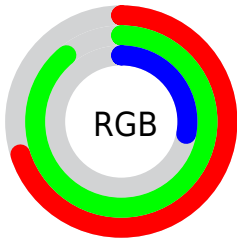
Format	Color
<a href="#">RYB</a>	<a href="#">72, 226, 120</a>
Decimal	<a href="#">11723336</a>
CIELab	<a href="#">84.13, -37.00, 66.92</a>
CIELCh	<a href="#">84, 76.468, 118.936</a>
Yxy	<a href="#">64.3256, 0.3675, 0.5060</a>
Android (android.graphics.Color)	<a href="#">4289913416 (0xFFB2E248)</a>
YUV	<a href="#">194.0920, -60.1914, -14.1127</a>
Hunter-Lab	<a href="#">80.2032, -36.3621, 44.2520</a>

# Details

The Hex color **B2E248** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **7848E2**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **EDFF80**, and **79AA00** is the 20% darker color. If you saturate the color by 10%, you get **ABE231**, and if you desaturate by 10%, it is **B9E25F**.

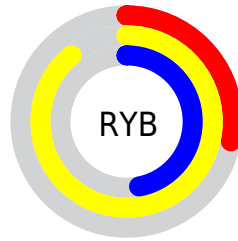
# Distribution



Red (70%)

Green (89%)

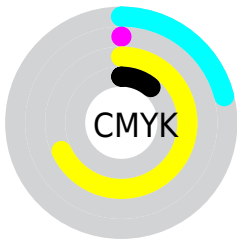
Blue (28%)



Red (28%)

Yellow (89%)

Blue (47%)

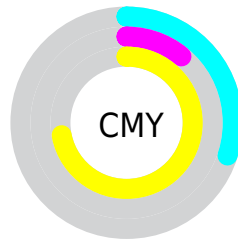


Cyan (21%)

Magenta (0%)

Yellow (68%)

Black (11%)



Cyan (30%)

Magenta (11%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B2E248 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 B2E248 by changing the saturation by 10% instead.



 B2E248

 B2E248

FFFFFF

 95C629

 EDFF80

 79AA00

 FFFF9C

 5D9000

 FFFFB9

 417600

 FFFF D6

 245D00

 FFFFF3

 004500

 002E00

 001700

 000000

 B2E248

 B2E248

 ABE231

 B9E25F

 A4E21B

 C0E275

 9DE204

 C7E28C

 9CE200

 CEE2A2

 D5E2B9

 DCE2D0

 E3E2E6

 EAE2FD

 F1E2FF

# Harmonies

## Analogous

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



FACD31



B2E248



45EE84

# Triad

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



B2E248



00ECFF



FF8ED7

# Complementary

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



B2E248



7848E2

# 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.



FFA1FF



B2E248



00DBFF

# Square

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



B2E248



00F4FF



CDC0FF



FF9790

# Rectangle

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



B2E248



00F3B4



CDC0FF



FF92F0

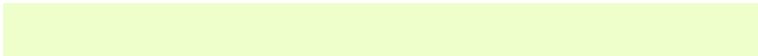


# Sweetspot

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



B2E248



EFFFC



E27648



768061



000000



808080



# Same Dimension

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



B2E248



BEFF2E



67E248



6D7065



79B000



213000



# Inverse Universe

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



7848E2



6F2EFF



C348E2



686570



3700B0



0F0030



# Previews

## White Background



This preview shows how the Hex color B2E248 looks on a white background.

## Color Contrast Check

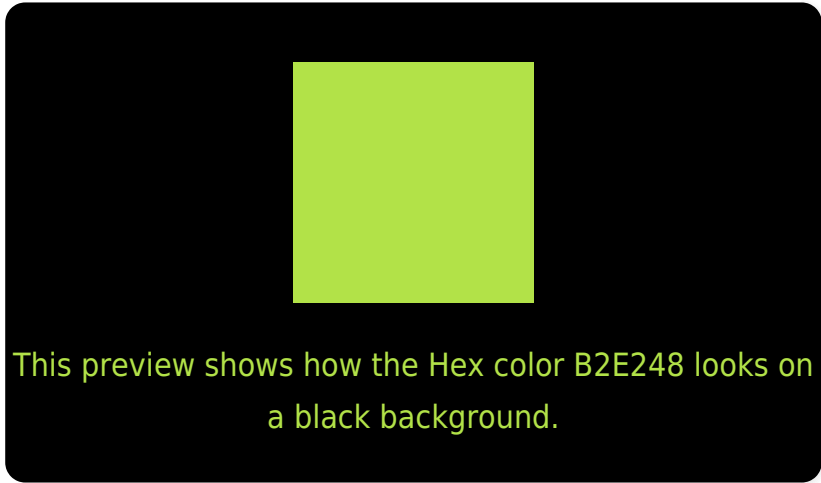
Large Text (above 18pt) WCAG AA × Fail

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 B2E248 Background



This preview shows how black text looks on a background with the Hex color B2E248.

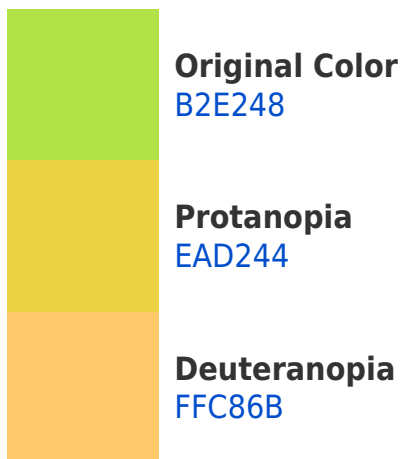


This preview shows how white text looks on a background with the Hex color B2E248.

# 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





**Tritanopia**  
C4D3E4

# Trichromacy



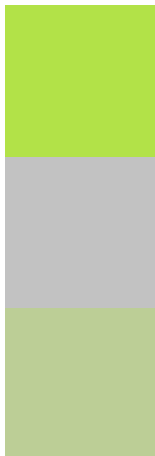
**Original Color**  
B2E248

**Protanomaly**  
D6D845

**Deuteranomaly**  
E3D15E

**Tritanomaly**  
BDD8AB

# Monochromacy



**Original Color**  
B2E248

**Achromatopsia**  
C2C2C2

**Achromatomaly**  
BCCE96

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B2E248 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 #B2E248 looks like.

```
.text, #text, p{  
    color:#B2E248  
}
```

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 #B2E248 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B2E248
}
```

## Border

The CSS property to change the border of an element to Hex B2E248 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
#B2E248 }
```

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

```
.border{ border-color:#B2E248 }
```

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

Here you see how a box with a 4 pixel #B2E248 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B2E248; -webkit-box-shadow:4px 4px  
4px 4px #B2E248; box-shadow:4px 4px 4px  
4px #B2E248 }
```

# Background

The CSS property to change the background color of an element to Hex B2E248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B2E248 }
```

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

```
.background{ background-color:#B2E248 }
```

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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