

# Converting Colors

Hex(B2E584)

Have a look what the booklet for  
Hex(B2E584) contains.

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# **Color**

**Hex(B2E584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E584
RGB	178, 229, 132
RGB Percent	70%, 90%, 52%
CMY	0.3020, 0.1020, 0.4824
CMYK	0.22, 0.00, 0.42, 0.10
HSL	92°, 65%, 71%
HSV	92°, 42%, 90%
XYZ	50.5443, 67.1695, 32.1309
YIQ	202.6930, 0.7410, -40.9790

# Conversions

## Conversions Part 2

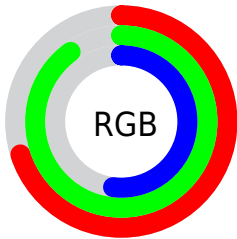
Format	Color
<a href="#">RYB</a>	<a href="#">132, 229, 183</a>
Decimal	<a href="#">11724164</a>
CIELab	<a href="#">85.59, -32.80, 42.00</a>
CIElCh	<a href="#">86, 53.291, 127.987</a>
Yxy	<a href="#">67.1695, 0.3373, 0.4483</a>
Android (android.graphics.Color)	<a href="#">4289914244 (0xFFB2E584)</a>
YUV	<a href="#">202.6930, -34.8516, -21.6558</a>
Hunter-Lab	<a href="#">81.9570, -33.3409, 34.1256</a>

# Details

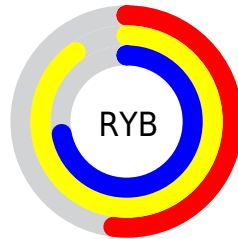
The Hex color **B2E584** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **B784E5**, and the grayscale version is **CBCBCB**.

A 20% lighter version of the original color is **EBFFBA**, and **7BAD50** is the 20% darker color. If you saturate the color by 10%, you get **A6E56D**, and if you desaturate by 10%, it is **BEE59B**.

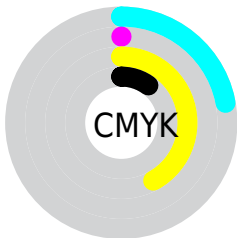
# Distribution



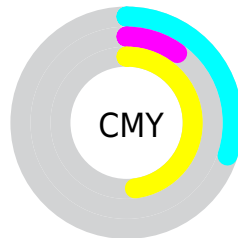
- Red (70%)
- Green (90%)
- Blue (52%)



- Red (52%)
- Yellow (90%)
- Blue (72%)



- Cyan (22%)
- Magenta (0%)
- Yellow (42%)
- Black (10%)



- Cyan (30%)
- Magenta (10%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B2E584 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 B2E584 by changing the saturation by 10% instead.



 B2E584

 B2E584

FFFFFF

 96C96A

 EBFFBA

 7BAD50

 FFFFD6

 619237

 FFFFF3

 47781E

 2C5F00

 124700

 003000

 001C00

 000000

 B2E584

 B2E584

 A6E56D

 BEE59B

 9AE556

 CAE5B2

 8EE53F

 D6E5C9

 82E528

 E2E5E0

 76E512

 EEE5F7

 6DE500

 FAE5FF

 FFE5FF

# Harmonies

## Analogous

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



E8D76F



B2E584



6FEDA E

# Triad

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



B2E584



00E5FF



FFADCA

# Complementary

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



B2E584



B784E5

# 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.



FFB3FD



B2E584



9DD7FF

# Square

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



B2E584



00EEFF



ECC4FF



FFB59A

# Rectangle

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



B2E584



23F0D1



ECC4FF



FFADD8



# Sweetspot

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



B2E584



EEFFDE



E5B684



75806B



000000



808080

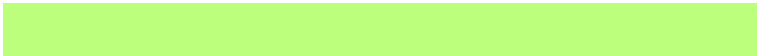


# Same Dimension

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



B2E584



BBFF7D



84E586



6D7367



55B300



183300



# Inverse Universe

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



B784E5



C17DFF



E584E3



6D6773



5E00B3



1B0033



# Previews

## White Background



This preview shows how the Hex color B2E584 looks on a white background.

## Color Contrast Check

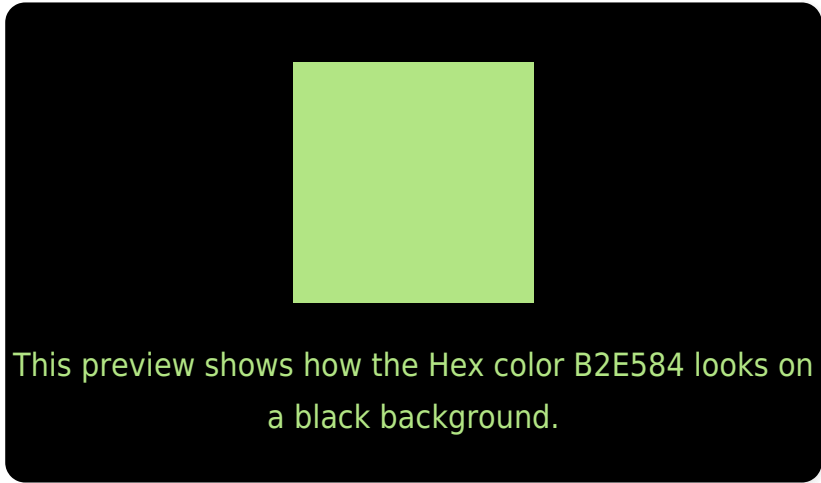
Large Text (above 18pt) WCAG AA × Fail

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 B2E584 Background



This preview shows how black text looks on a background with the Hex color B2E584.

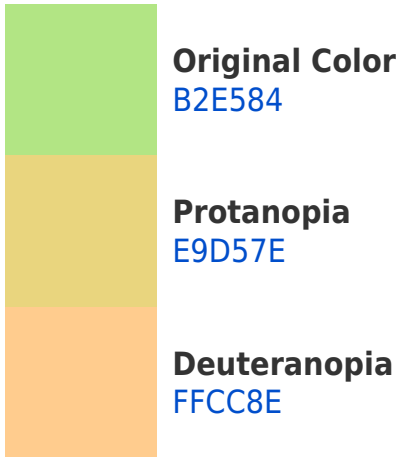


This preview shows how white text looks on a background with the Hex color B2E584.

# 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](#).

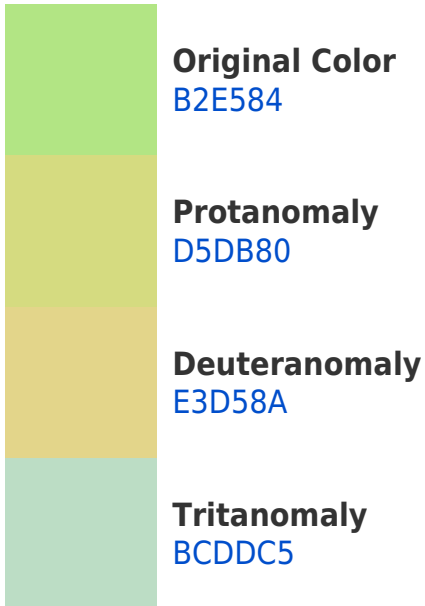
## Dichromacy



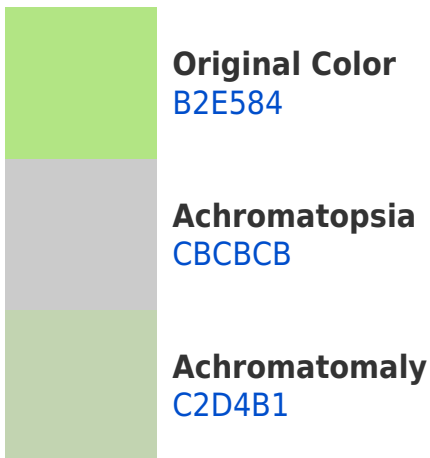


**Tritanopia**  
C1D9EA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B2E584 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 #B2E584 looks like.

```
.text, #text, p{  
    color:#B2E584  
}
```

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 #B2E584 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B2E584
}
```

## Border

The CSS property to change the border of an element to Hex B2E584 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
#B2E584 }
```

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

```
.border{ border-color:#B2E584 }
```

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

Here you see how a box with a 4 pixel #B2E584 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B2E584; -webkit-box-shadow:4px 4px  
4px 4px #B2E584; box-shadow:4px 4px 4px  
4px #B2E584 }
```

# Background

The CSS property to change the background color of an element to Hex B2E584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B2E584 }
```

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

```
.background{ background-color:#B2E584 }
```

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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