

# Converting Colors

RGB(223, 249, 50)

Have a look what the booklet for  
RGB(223, 249, 50) contains.

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# **Color**

**RGB(223, 249, 50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFF932
RGB	223, 249, 50
RGB Percent	87%, 98%, 20%
CMY	0.1255, 0.0235, 0.8039
CMYK	0.10, 0.00, 0.80, 0.02
HSL	68°, 94%, 59%
HSV	68°, 80%, 98%
XYZ	64.8828, 83.6696, 15.7478
YIQ	218.5400, 48.3830, -67.4010

# Conversions

## Conversions Part 2

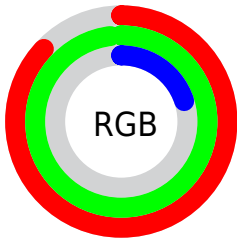
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 249, 76
Decimal	14678322
CIELab	93.31, -30.90, 83.48
CIELCh	93, 89.013, 110.312
Yxy	83.6696, 0.3949, 0.5092
Android (android.graphics.Color)	4292868402 (0xFFDFF932)
YUV	218.5400, -83.0902, 3.9114
Hunter-Lab	91.4711, -33.4597, 53.8223

# Details

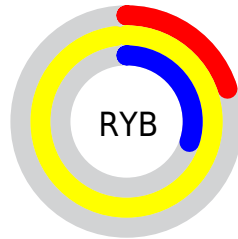
The RGB color **223, 249, 50** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **76, 50, 249**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **255, 255, 114**, and **163, 193, 0** is the 20% darker color. If you saturate the color by 10%, you get **220, 249, 25**, and if you desaturate by 10%, it is **226, 249, 75**.

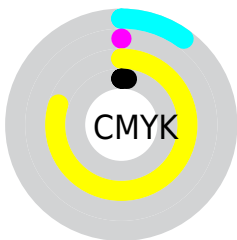
# Distribution



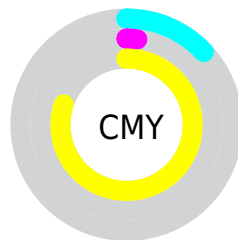
- Red (87%)
- Green (98%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (30%)



- Cyan (10%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)


















- Cyan (13%)
- Magenta (2%)
- Yellow (80%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 223, 249, 50 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 RGB color 223, 249, 50 by changing the saturation by 10% instead.




 223, 249, 50	 223, 249, 50
255, 255, 255	 193, 220, 0
 255, 255, 114	 163, 193, 0
 255, 255, 144	 134, 166, 0
 255, 255, 173	 105, 139, 0
 255, 255, 203	 77, 114, 0
 255, 255, 233	 48, 89, 0
	 17, 65, 0
	 0, 43, 0
	 0, 20, 0

 223, 249, 50


 223, 249, 50

 220, 249, 25

 226, 249, 75

 216, 249, 0

 230, 249, 100

 216, 249, 0

 233, 249, 125

 236, 249, 150

 239, 249, 174

 243, 249, 199

 246, 249, 224

 249, 249, 249

 252, 249, 255

# Harmonies

## Analogous

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



255, 222, 44



223, 249, 50



114, 255, 119

# Triad

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



223, 249, 50



0, 255, 255



255, 156, 255

# Complementary

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



223, 249, 50



76, 50, 249

# 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.



255, 187, 255



223, 249, 50



0, 254, 255

# Square

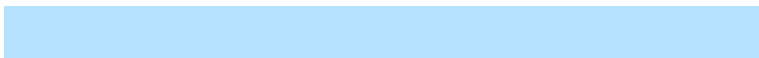
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



223, 249, 50



0, 255, 255



182, 225, 255



255, 156, 181

# Rectangle

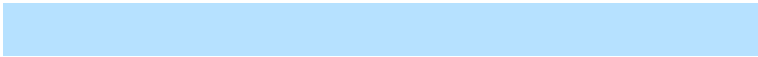
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



223, 249, 50



0, 255, 175



182, 225, 255



255, 164, 255

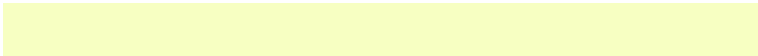


# Sweetspot

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



223, 249, 50



247, 255, 194



249, 73, 50



123, 128, 91



0, 0, 0



128, 128, 128



# Same Dimension

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



223, 249, 50



223, 255, 10



126, 249, 50



123, 125, 112



164, 189, 0



53, 61, 0



# Inverse Universe

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



76, 50, 249



42, 10, 255



173, 50, 249



114, 112, 125



25, 0, 189

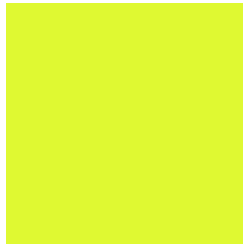


8, 0, 61



# Previews

## White Background



This preview shows how the RGB color 223, 249, 50 looks on a white background.

## Color Contrast Check

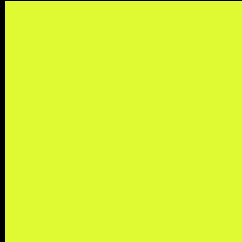
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 223, 249, 50 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](#).



## RGB 223, 249, 50 Background



This preview shows how black text looks on a background with the RGB color 223, 249, 50.

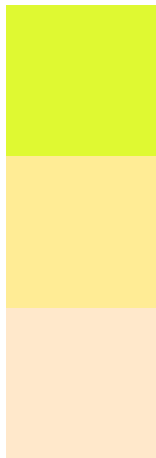


This preview shows how white text looks on a background with the RGB color 223, 249, 50.

# 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**  
223, 249, 50

**Protanopia**  
255, 236, 149

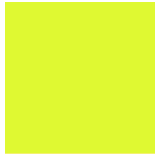
**Deuteranopia**  
255, 232, 203



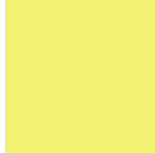
# Tritanopia

241, 232, 250

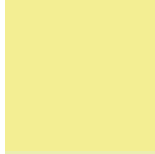
# Trichromacy



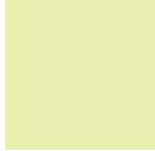
**Original Color**  
223, 249, 50



**Protanomaly**  
243, 241, 113



**Deuteranomaly**  
243, 238, 147

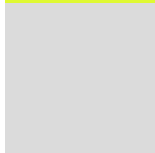


**Tritanomaly**  
234, 238, 177

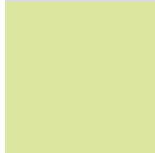
# Monochromacy



**Original Color**  
223, 249, 50



**Achromatopsia**  
219, 219, 219



**Achromatomaly**  
220, 230, 158

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 223, 249, 50 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 `rgb(223, 249, 50)` looks like.

```
.text, #text, p{  
    color:rgb(223, 249, 50)  
}
```

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 rgb(223, 249, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 249, 50) }
```

## Border

The CSS property to change the border of an element to RGB 223, 249, 50 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 rgb(223, 249, 50) }
```

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

```
.border{ border-color:rgb(223, 249, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 249, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 249, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 249, 50);  
box-shadow:4px 4px 4px 4px rgb(223, 249,  
50) }
```

# Background

The CSS property to change the background color of an element to RGB 223, 249, 50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 249, 50) }
```

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

```
.background{ background-color: rgb(223,  
249, 50) }
```

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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