

Converting Colors

RGB(40, 242, 140)

Have a look what the booklet for
RGB(40, 242, 140) contains.

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Color

RGB(40, 242, 140)

Conversions

Conversions Part 1

Format	Color
Hex	28F28C
RGB	40, 242, 140
RGB Percent	16%, 95%, 55%
CMY	0.8431, 0.0510, 0.4510
CMYK	0.83, 0.00, 0.42, 0.05
HSL	150°, 89%, 55%
HSV	150°, 83%, 95%
XYZ	37.3608, 65.8488, 35.5519
YIQ	169.9740, -87.6500, -74.5460

Conversions

Conversions Part 2

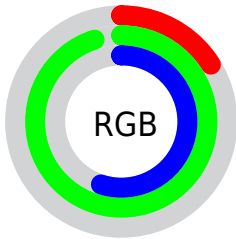
Format	Color
RYB	40, 175, 242
Decimal	2683532
CIELab	84.92, -68.73, 36.28
CIElCh	85, 77.718, 152.174
Yxy	65.8488, 0.2692, 0.4745
Android (android.graphics.Color)	4280873612 (0xFF28F28C)
YUV	169.9740, -14.7772, -113.9872
Hunter-Lab	81.1473, -59.8250, 30.8272

Details

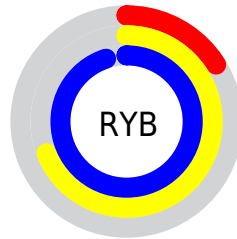
The RGB color **40, 242, 140** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **242, 40, 142**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **122, 255, 195**, and **0, 184, 88** is the 20% darker color. If you saturate the color by 10%, you get **16, 242, 128**, and if you desaturate by 10%, it is **64, 242, 152**.

Distribution



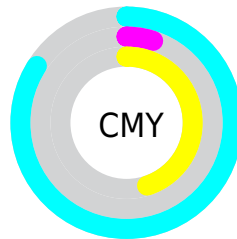
- Red (16%)
- Green (95%)
- Blue (55%)



- Red (16%)
- Yellow (69%)
- Blue (95%)



- Cyan (83%)
- Magenta (0%)
- Yellow (42%)
- Black (5%)


















- Cyan (84%)
- Magenta (5%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RGB color 40, 242, 140 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 40, 242, 140 by changing the saturation by 10% instead.

 40, 242, 140	 40, 242, 140
 255, 255, 255	 0, 213, 114
 122, 255, 195	 0, 184, 88
 155, 255, 223	 0, 156, 64
 187, 255, 252	 0, 129, 39
 219, 255, 255	 0, 102, 13
 250, 255, 255	 0, 77, 0
	 0, 53, 0
	 0, 26, 0
	 0, 0, 0

■ 40, 242, 140

■ 40, 242, 140

■ 16, 242, 128

■ 64, 242, 152

■ 0, 242, 120

■ 88, 242, 164

■ 113, 242, 177

■ 137, 242, 189

■ 161, 242, 201

■ 185, 242, 213

■ 209, 242, 226

■ 234, 242, 238

■ 255, 242, 250

Harmonies

Analogous

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



170, 230, 77



40, 242, 140



0, 247, 215

Triad

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



40, 242, 140



0, 219, 255



255, 154, 138

Complementary

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



40, 242, 140



242, 40, 142

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, 142, 210



40, 242, 140



220, 190, 255

Square

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



40, 242, 140



0, 237, 255



255, 159, 255



255, 182, 79

Rectangle

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



40, 242, 140



0, 247, 255



255, 159, 255



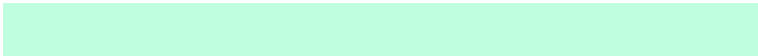
255, 147, 161

Sweetspot

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



40, 242, 140



191, 255, 223



144, 242, 40



89, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



40, 242, 140



0, 255, 126



40, 242, 239



108, 120, 114



0, 184, 91



0, 56, 28

Inverse Universe

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



242, 40, 142



255, 0, 129



242, 40, 43



120, 108, 114



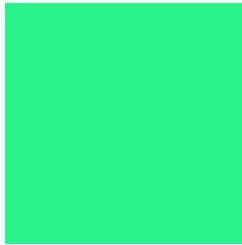
184, 0, 93



56, 0, 28

Previews

White Background



This preview shows how the RGB color 40, 242, 140 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 40, 242, 140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

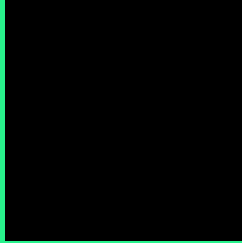
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

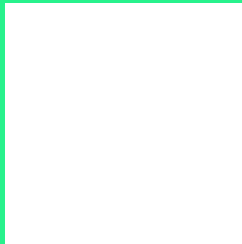
Any Text WCAG AAA ✓ Pass

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

RGB 40, 242, 140 Background



This preview shows how black text looks on a background with the RGB color 40, 242, 140.

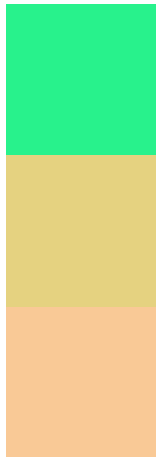


This preview shows how white text looks on a background with the RGB color 40, 242, 140.

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](#).

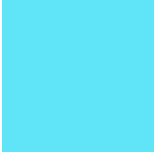
Dichromacy



Original Color
40, 242, 140

Protanopia
229, 210, 128

Deuteranopia
249, 201, 150



Tritanopia
96, 229, 248

Trichromacy



Original Color

40, 242, 140



Protanomaly

160, 222, 132



Deuteranomaly

173, 216, 146



Tritanomaly

76, 234, 209

Monochromacy



Original Color

40, 242, 140



Achromatopsia

170, 170, 170



Achromatomaly

123, 196, 159

CSS Examples

Text

The CSS property to change the color of the text to RGB 40, 242, 140 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(40, 242, 140)` looks like.

```
.text, #text, p{  
    color:rgb(40, 242, 140)  
}
```

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(40, 242, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 242, 140) }
```

Border

The CSS property to change the border of an element to RGB 40, 242, 140 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(40, 242, 140) }
```

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

```
.border{ border-color:rgb(40, 242, 140) }
```

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

Here you see how a box with a 4 pixel rgb(40, 242, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 242, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 242, 140);  
box-shadow:4px 4px 4px 4px rgb(40, 242,  
140) }
```

Background

The CSS property to change the background color of an element to RGB 40, 242, 140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 242, 140) }
```

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

```
.background{ background-color: rgb(40, 242,  
140) }
```

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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