

Converting Colors

RGB(46, 224, 132)

Have a look what the booklet for
RGB(46, 224, 132) contains.

RGB(46, 224, 132)	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

RGB(46, 224, 132)

Conversions

Conversions Part 1

Format	Color
Hex	2EE084
RGB	46, 224, 132
RGB Percent	18%, 88%, 52%
CMY	0.8196, 0.1216, 0.4824
CMYK	0.79, 0.00, 0.41, 0.12
HSL	149°, 74%, 53%
HSV	149°, 79%, 88%
XYZ	31.9472, 55.5581, 30.8698
YIQ	160.2900, -76.5560, -66.3480

Conversions

Conversions Part 2

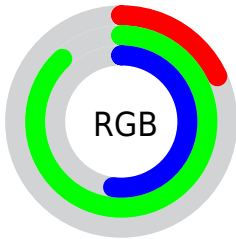
Format	Color
RYB	46, 166, 224
Decimal	3072132
CIELab	79.36, -63.40, 33.03
CIElCh	79, 71.485, 152.481
Yxy	55.5581, 0.2699, 0.4693
Android (android.graphics.Color)	4281262212 (0xFF2EE084)
YUV	160.2900, -13.9470, -100.2323
Hunter-Lab	74.5373, -53.9339, 27.6210

Details

The RGB color **46, 224, 132** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle washed spring green. A complement of this color would be **224, 46, 138**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **121, 255, 186**, and **0, 167, 81** is the 20% darker color. If you saturate the color by 10%, you get **24, 224, 120**, and if you desaturate by 10%, it is **68, 224, 144**.

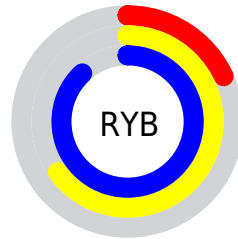
Distribution



Red (18%)

Green (88%)

Blue (52%)



Red (18%)

Yellow (65%)

Blue (88%)

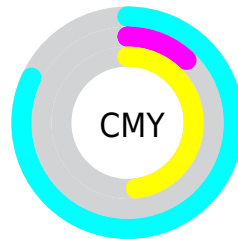


Cyan (79%)

Magenta (0%)

Yellow (41%)

Black (12%)



Cyan (82%)

















Magenta (12%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 224, 132 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 46, 224, 132 by changing the saturation by 10% instead.

 46, 224, 132	 46, 224, 132
 255, 255, 255	 0, 195, 106
 121, 255, 186	 0, 167, 81
 153, 255, 214	 0, 140, 57
 184, 255, 243	 0, 113, 33
 215, 255, 255	 0, 87, 7
 246, 255, 255	 0, 62, 0
	 0, 38, 0
	 0, 0, 0

 46, 224, 132  46, 224, 132

■ 24, 224, 120

■ 68, 224, 144

■ 1, 224, 109

■ 91, 224, 155

■ 0, 224, 108

■ 113, 224, 167

■ 136, 224, 178

■ 158, 224, 190

■ 180, 224, 201

■ 203, 224, 213

■ 225, 224, 225

■ 248, 224, 236

Harmonies

Analogous

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



159, 213, 75



46, 224, 132



0, 229, 200

Triad

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



46, 224, 132



18, 202, 255



255, 145, 129

Complementary

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



46, 224, 132



224, 46, 138

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, 134, 194



46, 224, 132



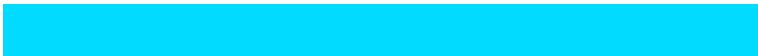
205, 177, 255

Square

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



46, 224, 132



0, 219, 255



255, 149, 255



255, 170, 76

Rectangle

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



46, 224, 132



0, 228, 246



255, 149, 255



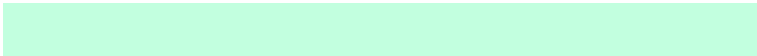
255, 139, 150

Sweetspot

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



46, 224, 132



194, 255, 223



141, 224, 46



91, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



46, 224, 132



13, 255, 130



46, 224, 218



101, 112, 106



0, 176, 85



0, 48, 23

Inverse Universe

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



224, 46, 138



255, 13, 138



224, 46, 52



112, 101, 107



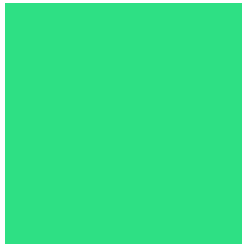
176, 0, 91



48, 0, 25

Previews

White Background



This preview shows how the RGB color 46, 224, 132 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 46, 224, 132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

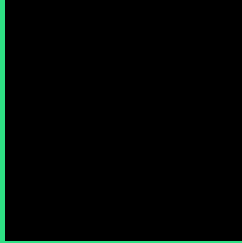
Any Text WCAG AA ✓ Pass

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 46, 224, 132 Background



This preview shows how black text looks on a background with the RGB color 46, 224, 132.

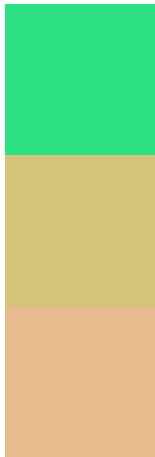


This preview shows how white text looks on a background with the RGB color 46, 224, 132.

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
46, 224, 132

Protanopia
213, 195, 121

Deuteranopia
231, 187, 141



Tritanopia
92, 213, 230

Trichromacy



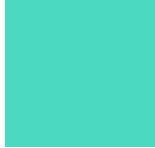
Original Color
46, 224, 132



Protanomaly
152, 206, 125



Deuteranomaly
164, 200, 138



Tritanomaly
75, 217, 194

Monochromacy



Original Color
46, 224, 132



Achromatopsia
160, 160, 160



Achromatomaly
119, 183, 150

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 224, 132 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(46, 224, 132) looks like.

```
.text, #text, p{  
    color:rgb(46, 224, 132)  
}
```

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(46, 224, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 224, 132) }
```

Border

The CSS property to change the border of an element to RGB 46, 224, 132 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(46, 224, 132) }
```

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

```
.border{ border-color:rgb(46, 224, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 224, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 224, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 224, 132);  
box-shadow:4px 4px 4px 4px rgb(46, 224,  
132) }
```

Background

The CSS property to change the background color of an element to RGB 46, 224, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 224, 132) }
```

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

```
.background{ background-color: rgb(46, 224,  
132) }
```

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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