

Converting Colors

`RYB(82, 236, 214)`

Have a look what the booklet for
RYB(82, 236, 214) contains.

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Color

`RYB(82, 236, 214)`

Conversions

Conversions Part 1

Format	Color
Hex	68EC52
RGB	104, 236, 82
RGB Percent	41%, 93%, 32%
CMY	0.5922, 0.0745, 0.6784
CMYK	0.56, 0.00, 0.65, 0.07
HSL	111°, 80%, 62%
HSV	111°, 65%, 93%
XYZ	37.2274, 63.5432, 18.2856
YIQ	178.9760, -29.2380, -75.8780

Conversions

Conversions Part 2

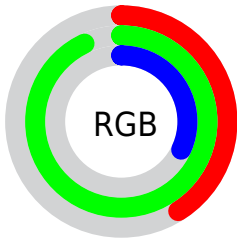
Format	Color
R _Y B	82, 236, 214
Decimal	6876242
CIE Lab	83.73, -64.03, 61.60
CIE LCh	84, 88.851, 136.108
Yxy	63.5432, 0.3127, 0.5337
Android (android.graphics.Color)	4285066322 (0xFF68EC52)
YUV	178.9760, -47.8092, -65.7540
Hunter-Lab	79.7140, -56.1378, 42.1992

Details

The RYB color **82, 236, 214** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **214, 82, 236**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **137, 255, 226**, and **18, 179, 172** is the 20% darker color. If you saturate the color by 10%, you get **58, 236, 210**, and if you desaturate by 10%, it is **106, 236, 218**.

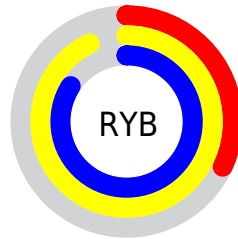
Distribution



Red (41%)

Green (93%)

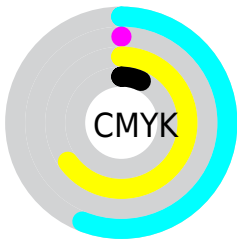
Blue (32%)



Red (32%)

Yellow (93%)

Blue (84%)

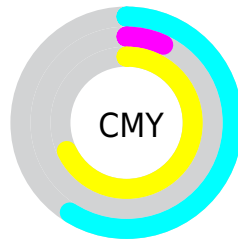


Cyan (56%)

Magenta (0%)

Yellow (65%)

Black (7%)



Cyan (59%)


















Magenta (7%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 236, 214 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 RYB color 82, 236, 214 by changing the saturation by 10% instead.

 82, 236, 214	 82, 236, 214
 255, 255, 255	 53, 207, 190
 137, 255, 226	 18, 179, 172
 165, 255, 224	 0, 151, 151
 194, 255, 222	 0, 124, 124
 223, 255, 223	 0, 98, 98
 252, 255, 252	 0, 73, 73
	 0, 50, 50
	 0, 21, 21
	 0, 0, 0

■ 82, 236, 214

■ 82, 236, 214

■ 58, 236, 210

■ 106, 236, 218

■ 35, 236, 207

■ 129, 236, 221

■ 11, 236, 204

■ 153, 236, 224

■ 0, 236, 202

■ 176, 236, 227

■ 200, 236, 231

■ 224, 236, 235

■ 246, 236, 247

■ 255, 236, 255

Harmonies

Analogous

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



0, 219, 13



82, 236, 214



0, 146, 245

Triad

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



82, 236, 214



0, 121, 255



255, 124, 167

Complementary

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



82, 236, 214



214, 82, 236

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, 129, 251



82, 236, 214



118, 170, 255

Square

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



82, 236, 214



0, 124, 255



255, 165, 255



255, 195, 90

Rectangle

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



82, 236, 214



0, 130, 247



255, 165, 255



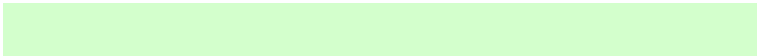
255, 121, 195

Sweetspot

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



82, 236, 214



204, 255, 248



109, 236, 82



97, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



82, 236, 214



56, 255, 226



82, 196, 236



106, 117, 116



0, 181, 155



0, 54, 46

Inverse Universe

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



214, 82, 236



227, 56, 255



236, 82, 182



116, 106, 117



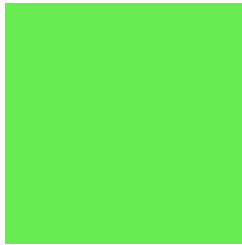
155, 0, 181



46, 0, 54

Previews

White Background



This preview shows how the RYB color 82, 236, 214 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 RYB color 82, 236, 214 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

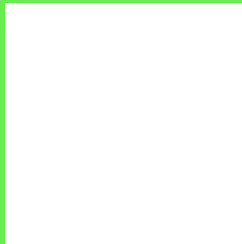
Any Text WCAG AAA ✓ Pass

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

RYB 82, 236, 214 Background



This preview shows how black text looks on a background with the RYB color 82, 236, 214.

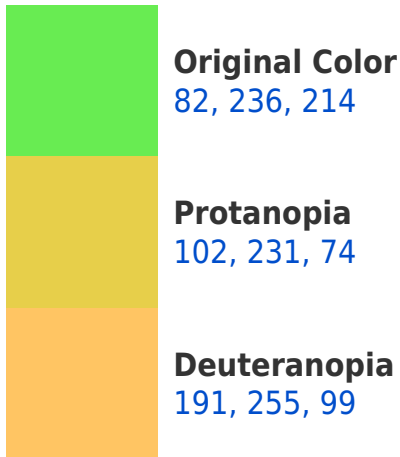



This preview shows how white text looks on a background with the RYB color 82, 236, 214.

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](#).

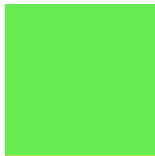
Dichromacy





Tritanopia
137, 183, 239

Trichromacy



Original Color
82, 236, 214



Protanomaly
77, 218, 110



Deuteranomaly
93, 211, 104



Tritanomaly
125, 190, 226

Monochromacy



Original Color
82, 236, 214



Achromatopsia
179, 179, 179



Achromatomaly
144, 200, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 236, 214 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(104, 236, 82)` looks like.

```
.text, #text, p{  
    color:rgb(104, 236, 82)  
}
```

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(104, 236, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 236, 82) }
```

Border

The CSS property to change the border of an element to RYB 82, 236, 214 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(104, 236, 82) }
```

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

```
.border{ border-color:rgb(104, 236, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 236, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 236, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 236, 82);  
box-shadow:4px 4px 4px 4px rgb(104, 236,  
82) }
```

Background

The CSS property to change the background color of an element to RGB 82, 236, 214 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 236, 82) }
```

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

```
.background{ background-color: rgb(104,  
236, 82) }
```

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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