

Converting Colors

`RYB(84, 240, 188)`

Have a look what the booklet for
RYB(84, 240, 188) contains.

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Color

`RYB(84, 240, 188)`

Conversions

Conversions Part 1

Format	Color
Hex	88F054
RGB	136, 240, 84
RGB Percent	53%, 94%, 33%
CMY	0.4667, 0.0588, 0.6706
CMYK	0.43, 0.00, 0.65, 0.06
HSL	100°, 84%, 64%
HSV	100°, 65%, 94%
XYZ	42.9137, 68.1945, 19.2886
YIQ	191.1200, -11.9080, -70.5640

Conversions

Conversions Part 2

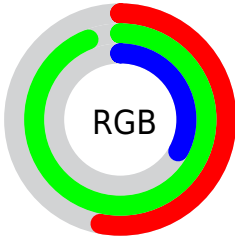
Format	Color
RYB	84, 240, 188
Decimal	8974420
CIELab	86.10, -56.52, 63.72
CIElCh	86, 85.173, 131.576
Yxy	68.1945, 0.3291, 0.5230
Android (android.graphics.Color)	4287164500 (0xFF88F054)
YUV	191.1200, -52.8102, -48.3402
Hunter-Lab	82.5800, -51.7553, 43.9573

Details

The RYB color **84, 240, 188** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **188, 84, 240**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **140, 255, 200**, and **19, 183, 127** is the 20% darker color. If you saturate the color by 10%, you get **60, 240, 180**, and if you desaturate by 10%, it is **108, 240, 196**.

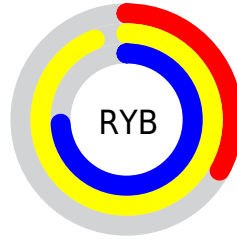
Distribution



Red (53%)

Green (94%)

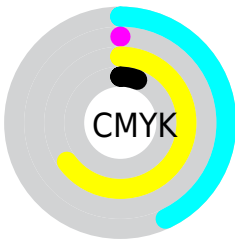
Blue (33%)



Red (33%)

Yellow (94%)

Blue (74%)

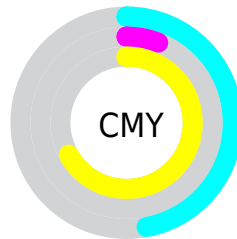


Cyan (43%)

Magenta (0%)

Yellow (65%)

Black (6%)



Cyan (47%)
















Magenta (6%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 240, 188 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 84, 240, 188 by changing the saturation by 10% instead.

 84, 240, 188	 84, 240, 188
255, 255, 255	 55, 211, 160
 140, 255, 200	 19, 183, 127
 168, 255, 198	 0, 156, 116
 196, 255, 196	 0, 129, 129
 226, 255, 226	 0, 103, 103
	 0, 78, 78
	 0, 54, 54
	 0, 30, 30
	 0, 0, 0

 84, 240, 188

 84, 240, 188

 60, 240, 180

 108, 240, 196

 36, 240, 172

 132, 240, 204

 12, 240, 164

 156, 240, 212

 0, 240, 160

 180, 240, 220

 204, 240, 228

 228, 240, 236

 248, 240, 252

 255, 240, 255

Harmonies

Analogous

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



25, 226, 20



84, 240, 188



0, 152, 250

Triad

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



84, 240, 188



0, 123, 255



255, 136, 187

Complementary

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



84, 240, 188



188, 84, 240

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, 145, 255



84, 240, 188



98, 165, 255

Square

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



84, 240, 188



0, 126, 255



255, 180, 255



255, 182, 112

Rectangle

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



84, 240, 188



0, 136, 253



255, 180, 255



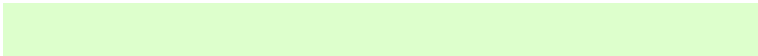
255, 135, 215

Sweetspot

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



84, 240, 188



204, 255, 238



162, 240, 84



97, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



84, 240, 188



56, 255, 189



84, 218, 240



108, 120, 116



0, 184, 123



0, 56, 37

Inverse Universe

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



188, 84, 240



189, 56, 255



240, 84, 214



116, 108, 120



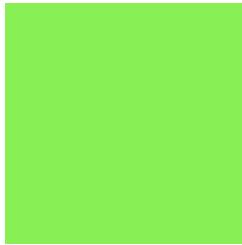
122, 0, 184



37, 0, 56

Previews

White Background



This preview shows how the RYB color 84, 240, 188 looks on a white background.

Color Contrast Check

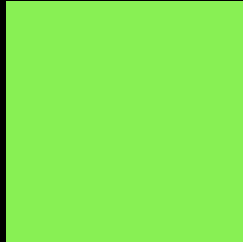
Large Text (above 18pt) WCAG AA × Fail

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 84, 240, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

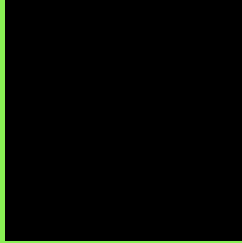
Any Text WCAG AA ✓ Pass

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 84, 240, 188 Background



This preview shows how black text looks on a background with the RYB color 84, 240, 188.

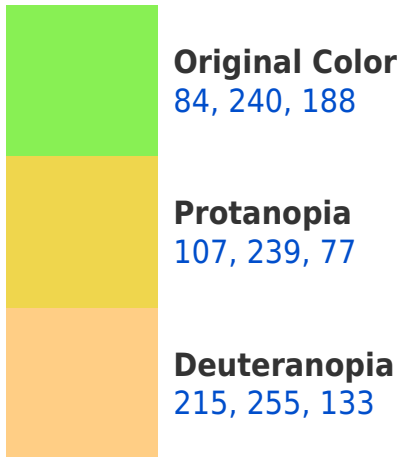


This preview shows how white text looks on a background with the RYB color 84, 240, 188.

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
162, 197, 243

Trichromacy



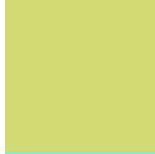
Original Color

84, 240, 188



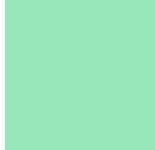
Protanomaly

80, 223, 101



Deuteranomaly

115, 218, 121



Tritanomaly

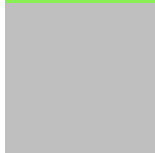
153, 207, 230

Monochromacy



Original Color

84, 240, 188



Achromatopsia

191, 191, 191



Achromatomaly

152, 209, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 240, 188 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(136, 240, 84)` looks like.

```
.text, #text, p{  
    color:rgb(136, 240, 84)  
}
```

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(136, 240, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 240, 84) }
```

Border

The CSS property to change the border of an element to RYB 84, 240, 188 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(136, 240, 84) }
```

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

```
.border{ border-color:rgb(136, 240, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 240, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 240, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 240, 84);  
box-shadow:4px 4px 4px 4px rgb(136, 240,  
84) }
```

Background

The CSS property to change the background color of an element to RYB 84, 240, 188 is called "background".

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

```
.background, #background, body{  
background: rgb(136, 240, 84) }
```

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

```
.background{ background-color: rgb(136,  
240, 84) }
```

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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