Converting Colors

RYB(83, 214, 238)

Have a look what the booklet for RYB(83, 214, 238) contains.

Color

RYB(83, 214, 238)

Conversions

Conversions Part 1

Format	Color
Hex	53EE6F
RGB	83, 238, 111
RGB Percent	33%, 93%, 44%
CMY	0.6745, 0.0667, 0.5631
CMYK	0.65, 0.00, 0.53, 0.07
HSL	131°, 82%, 63%
HSV	131°, 65%, 93%
XYZ	37.0330, 64.1445, 25.5831
YIQ	177.1770, -51.6130, -72.3570

Conversions

Conversions Part 2

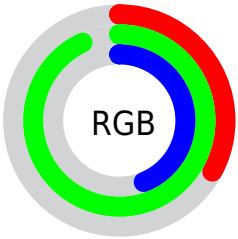
Format	Color
RYB	83, 214, 238
Decimal	5500527
CIELab	84.04, -66.02, 49.07
CIELCh	84, 82.260, 143.377
Yxy	64.1445, 0.2921, 0.5060
Android (android.graphics.Color)	4283690607 (0xFF53EE6F)
YUV	177.1770, -32.6253, -82.5932
Hunter-Lab	80.0903, -57.6213, 37.1243

Details

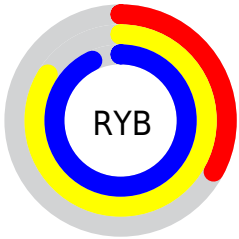
The RYB color 83, 214, 238 is a dark color, and the websafe version is hex 66FF66. The color can be described as middle muted spring green. A complement of this color would be 238, 83, 210, and the grayscale version is 178, 178, 178.

A 20% lighter version of the original color is 148, 240, 255, and 0, 137, 181 is the 20% darker color. If you saturate the color by 10%, you get 59, 210, 238, and if you desaturate by 10%, it is 107, 218, 238.

Distribution

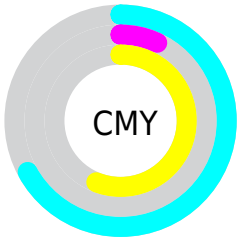


- Red (33%)
- Green (93%)
- Blue (44%)



- Red (33%)
- Yellow (84%)
- Blue (93%)

- Cyan (65%)
- Magenta (0%)
- Yellow (53%)
- Black (7%)



- Cyan (67%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 214, 238 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 83, 214, 238 by changing the saturation by 10% instead.

83, 214, 238

255, 255, 255

148, 240, 255

179, 242, 255

209, 245, 255

240, 249, 255

83, 214, 238

42, 175, 209

0, 137, 181

0, 127, 153

0, 126, 126

0, 100, 100

0, 74, 74

0, 51, 51

0, 23, 23

0, 0, 0

83, 214, 238

59, 210, 238

35, 206, 238

12, 203, 238

0, 201, 238

83, 214, 238

107, 218, 238

131, 222, 238

154, 225, 238

178, 229, 238

202, 232, 238

226, 236, 238

250, 238, 247

255, 238, 255

Harmonies

Analogous

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

46, 224, 80

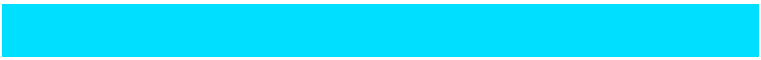
83, 214, 238

0, 138, 245

Triad

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

83, 214, 238



0, 119, 255

255, 139, 153

Complementary

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

83, 214, 238

238, 83, 210

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, 135, 230

83, 214, 238

177, 192, 255

Square

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

83, 214, 238

0, 124, 255

255, 162, 255

255, 249, 84

Rectangle

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

83, 214, 238

0, 124, 246

255, 162, 255

255, 134, 178

Sweetspot

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

83, 214, 238

204, 247, 255

83, 238, 109

97, 123, 128

0, 0, 0

128, 128, 128

Same Dimension

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

83, 214, 238

56, 224, 255

83, 176, 238

108, 118, 120

0, 155, 184

0, 48, 56

Inverse Universe

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

238, 83, 210

255, 56, 219

238, 83, 135

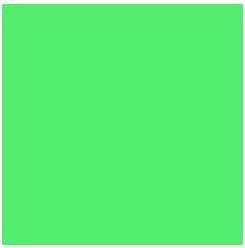
120, 108, 118

184, 0, 150

56, 0, 46

Previews

White Background

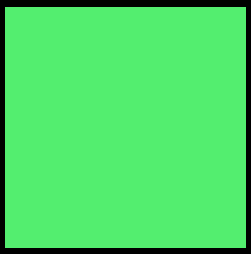


This preview shows how the RYB color 83, 214, 238 looks on a white background.

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 83, 214, 238 looks on a black background.

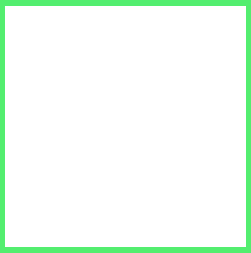
Color Contrast Check

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 83, 214, 238 Background

This preview shows how black text looks on a background with the RYB color 83, 214, 238.



This preview shows how white text looks on a background with the RYB color 83, 214, 238.

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

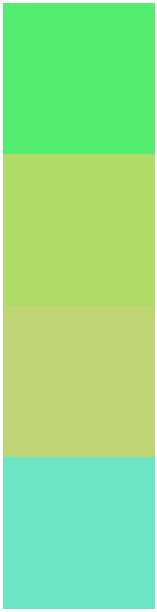
Original Color
83, 214, 238

Protanopia
128, 230, 101

Deuteranopia
217, 253, 122

Tritanopia
120, 176, 242

Trichromacy



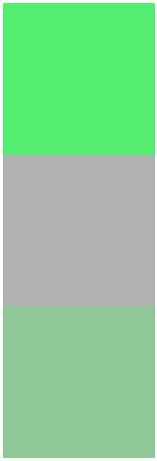
Original Color
83, 214, 238

Protanomaly
105, 219, 147

Deuteranomaly
118, 213, 140

Tritanomaly
107, 178, 229

Monochromacy



Original Color
83, 214, 238

Achromatopsia
177, 177, 177

Achromatomaly
143, 191, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 214, 238 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(83, 238, 111) looks like.

```
.text, #text, p{
    color:rgb(83, 238, 111)
}
```

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(83, 238, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 238, 111) }
```

Border

The CSS property to change the border of an element to RYB 83, 214, 238 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(83, 238, 111) }
```

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

```
.border{ border-color:rgb(83, 238, 111) }
```

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

Here you see how a box with a 4 pixel rgb(83, 238, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 238, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 238, 111); box-shadow:4px 4px 4px 4px rgb(83, 238, 111) }
```

Background

The CSS property to change the background color of an element to RYB 83, 214, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(83, 238, 111) }
```

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

```
.background{ background-color:rgb(83, 238,
111) }
```

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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