

Converting Colors

`RYB(83, 206, 227)`

Have a look what the booklet for
RYB(83, 206, 227) contains.

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Color

R_YB(83, 206, 227)

Conversions

Conversions Part 1

Format	Color
Hex	53E36C
RGB	83, 227, 108
RGB Percent	33%, 89%, 42%
CMY	0.6745, 0.1098, 0.5781
CMYK	0.63, 0.00, 0.53, 0.11
HSL	130°, 72%, 61%
HSV	130°, 63%, 89%
XYZ	33.7211, 57.8511, 23.4610
YIQ	170.3780, -47.6250, -67.5370

Conversions

Conversions Part 2

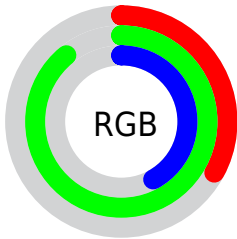
Format	Color
RYB	83, 206, 227
Decimal	5497708
CIELab	80.66, -62.66, 46.75
CIELCh	81, 78.174, 143.275
Yxy	57.8511, 0.2931, 0.5029
Android (android.graphics.Color)	4283687788 (0xFF53E36C)
YUV	170.3780, -30.7524, -76.6305
Hunter-Lab	76.0599, -53.9669, 34.9537

Details

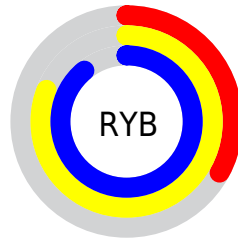
The RYB color **83, 206, 227** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **227, 83, 202**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **146, 241, 255**, and **0, 128, 170** is the 20% darker color. If you saturate the color by 10%, you get **60, 202, 227**, and if you desaturate by 10%, it is **106, 210, 227**.

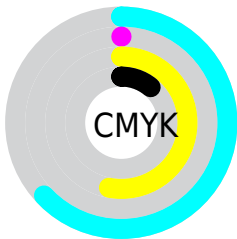
Distribution



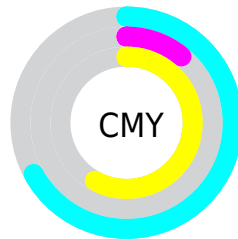
- Red (33%)
- Green (89%)
- Blue (42%)



- Red (33%)
- Yellow (81%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)







- Cyan (67%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 206, 227 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, 206, 227 by changing the saturation by 10% instead.

 83, 206, 227	 83, 206, 227
255, 255, 255	 45, 168, 198
 146, 242, 255	 0, 128, 170
 177, 245, 255	 0, 120, 143
 207, 247, 255	 0, 116, 116
 237, 249, 255	 0, 90, 90
	 0, 65, 65
	 0, 42, 42
	 0, 4, 4
	 0, 0, 0

 83, 206, 227


 83, 206, 227

 60, 202, 227

 106, 210, 227

 38, 200, 227

 128, 212, 227

 15, 196, 227

 151, 216, 227

 0, 194, 227

 174, 219, 227

 196, 222, 227

 219, 225, 227

 242, 227, 239

 255, 227, 255

Harmonies

Analogous

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



48, 213, 79



83, 206, 227



0, 132, 234

Triad

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



83, 206, 227



0, 116, 255



255, 135, 147

Complementary

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



83, 206, 227



227, 83, 202

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, 131, 220



83, 206, 227



169, 185, 255

Square

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



83, 206, 227



0, 121, 255



255, 155, 255



255, 226, 83

Rectangle

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



83, 206, 227



0, 118, 235



255, 155, 255



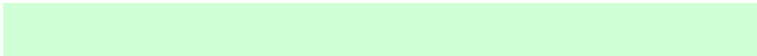
255, 130, 171

Sweetspot

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



83, 206, 227



207, 248, 255



83, 227, 107



98, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 206, 227



61, 227, 255



83, 169, 227



103, 113, 115



0, 153, 179



0, 43, 51

Inverse Universe

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



227, 83, 202



255, 61, 222



227, 83, 131



115, 103, 113



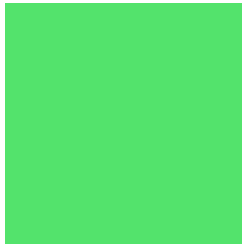
179, 0, 148



51, 0, 42

Previews

White Background



This preview shows how the RYB color 83, 206, 227 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, 206, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

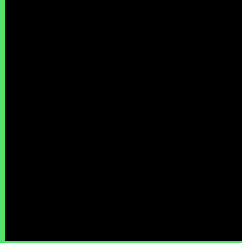
Any Text WCAG AA ✓ Pass

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](#).

R Y B 83, 206, 227 Background



This preview shows how black text looks on a background with the R Y B color 83, 206, 227.

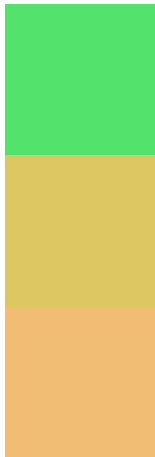


This preview shows how white text looks on a background with the R Y B color 83, 206, 227.

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, 206, 227

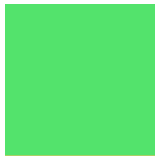
Protanopia
123, 220, 98

Deuteranopia
207, 241, 117



Tritanopia
117, 169, 231

Trichromacy



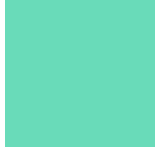
Original Color
83, 206, 227



Protanomaly
101, 209, 140



Deuteranomaly
114, 203, 133



Tritanomaly
105, 172, 219

Monochromacy



Original Color
83, 206, 227



Achromatopsia
170, 170, 170



Achromatomaly
138, 183, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 206, 227 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, 227, 108)` looks like.

```
.text, #text, p{  
    color:rgb(83, 227, 108)  
}
```

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, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 227, 108) }
```

Border

The CSS property to change the border of an element to RYB 83, 206, 227 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, 227, 108) }
```

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

```
.border{ border-color:rgb(83, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(83, 227,  
108) }
```

Background

The CSS property to change the background color of an element to RGB 83, 206, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 227, 108) }
```

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

```
.background{ background-color: rgb(83, 227,  
108) }
```

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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