

Converting Colors

`RYB(85, 201, 228)`

Have a look what the booklet for
RYB(85, 201, 228) contains.

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Color

R_YB(85, 201, 228)

Conversions

Conversions Part 1

Format	Color
Hex	55E476
RGB	85, 228, 118
RGB Percent	33%, 89%, 46%
CMY	0.6667, 0.1059, 0.5361
CMYK	0.63, 0.00, 0.48, 0.11
HSL	134°, 73%, 61%
HSV	134°, 63%, 89%
XYZ	34.7767, 58.7329, 26.7320
YIQ	172.7030, -49.9180, -64.5260

Conversions

Conversions Part 2

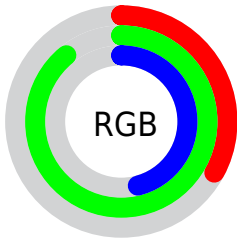
Format	Color
RYB	85, 201, 228
Decimal	5629046
CIELab	81.14, -61.11, 42.26
CIELCh	81, 74.296, 145.336
Yxy	58.7329, 0.2892, 0.4885
Android (android.graphics.Color)	4283819126 (0xFF55E476)
YUV	172.7030, -26.9686, -76.9155
Hunter-Lab	76.6374, -53.1153, 32.9652




Details

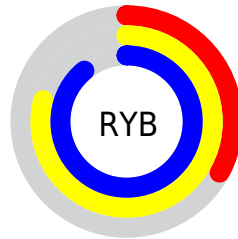
The RYB color **85, 201, 228** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **228, 85, 195**, and the grayscale version is **173, 173, 173**.




A 20% lighter version of the original color is **148, 235, 255**, and **0, 123, 171** is the 20% darker color. If you saturate the color by 10%, you get **62, 196, 228**, and if you desaturate by 10%, it is **108, 205, 228**.

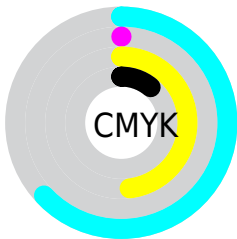
Distribution







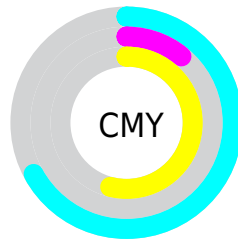
-  Red (33%)
-  Green (89%)
-  Blue (46%)






-  Red (33%)
-  Yellow (79%)
-  Blue (89%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (48%)
-  Black (11%)



















-  Cyan (67%)
-  Magenta (11%)
-  Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the RYB color 85, 201, 228 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 85, 201, 228 by changing the saturation by 10% instead.


 85, 201, 228	 85, 201, 228
 255, 255, 255	 48, 165, 199
 148, 235, 255	 0, 123, 171
 178, 238, 255	 0, 112, 144
 208, 241, 255	 0, 105, 117
 239, 247, 255	 0, 91, 91
	 0, 66, 66
	 0, 43, 43
	 0, 8, 8
	 0, 0, 0

 85, 201, 228


 85, 201, 228

 62, 196, 228

 108, 205, 228

 39, 192, 228

 131, 210, 228

 17, 188, 228

 153, 213, 228

 0, 185, 228

 176, 218, 228

 199, 222, 228

 222, 227, 228

 245, 228, 241

 255, 228, 255

Harmonies

Analogous

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



63, 215, 98



85, 201, 228



0, 130, 234

Triad

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



85, 201, 228



0, 116, 255



255, 142, 146

Complementary

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



85, 201, 228



228, 85, 195

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, 137, 215



85, 201, 228



183, 188, 255

Square

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



85, 201, 228



0, 120, 255



255, 158, 255



255, 240, 87

Rectangle

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



85, 201, 228



0, 118, 236



255, 158, 255



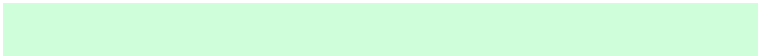
255, 137, 169

Sweetspot

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



85, 201, 228



207, 246, 255



85, 228, 116



98, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 201, 228



64, 219, 255



85, 168, 228



103, 113, 115



0, 145, 179



0, 41, 51

Inverse Universe

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



228, 85, 195



255, 64, 210



228, 85, 126



115, 103, 112



179, 0, 137



51, 0, 39

Previews

White Background



This preview shows how the RYB color 85, 201, 228 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 85, 201, 228 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 85, 201, 228 Background



This preview shows how black text looks on a background with the RYB color 85, 201, 228.

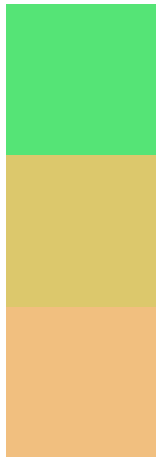


This preview shows how white text looks on a background with the RYB color 85, 201, 228.

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
85, 201, 228

Protanopia
132, 220, 108

Deuteranopia
216, 241, 127



Tritanopia
118, 171, 233

Trichromacy



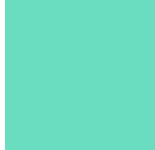
Original Color
85, 201, 228



Protanomaly
112, 210, 151



Deuteranomaly
124, 204, 144

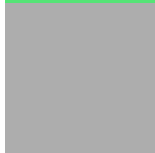


Tritanomaly
106, 171, 220

Monochromacy



Original Color
85, 201, 228



Achromatopsia
173, 173, 173



Achromatomaly
141, 183, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 201, 228 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(85, 228, 118)` looks like.

```
.text, #text, p{  
    color:rgb(85, 228, 118)  
}
```

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(85, 228, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 228, 118) }
```

Border

The CSS property to change the border of an element to RYB 85, 201, 228 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(85, 228, 118) }
```

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

```
.border{ border-color:rgb(85, 228, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 228, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 228, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 228, 118);  
box-shadow:4px 4px 4px 4px rgb(85, 228,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 85, 201, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 228, 118) }
```

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

```
.background{ background-color: rgb(85, 228,  
118) }
```

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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