

Converting Colors

`RYB(85, 141, 206)`

Have a look what the booklet for
RYB(85, 141, 206) contains.

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Color

`RYB(85, 141, 206)`

Conversions

Conversions Part 1	
Format	Color
Hex	55BDCE
RGB	85, 189, 206
RGB Percent	33%, 74%, 81%
CMY	0.6667, 0.2579, 0.1922
CMYK	0.59, 0.08, 0.00, 0.19
HSL	188°, 55%, 57%
HSV	188°, 59%, 81%
XYZ	33.1375, 42.8887, 64.9243
YIQ	159.8420, -67.4410, -16.7610

Conversions

Conversions Part 2

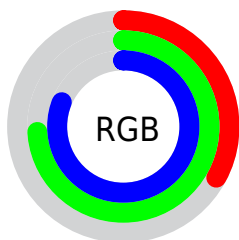
Format	Color
RYB	85, 141, 206
Decimal	5619150
CIELab	71.48, -25.16, -17.51
CIELCh	71, 30.651, 214.839
Yxy	42.8887, 0.2351, 0.3043
Android (android.graphics.Color)	4283809230 (0xFF55BDCE)
YUV	159.8420, 22.7559, -65.6364
Hunter-Lab	65.4895, -24.2861, -12.9357

Details

The RYB color **85, 141, 206** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **206, 105, 85**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **145, 198, 255**, and **0, 71, 152** is the 20% darker color. If you saturate the color by 10%, you get **64, 130, 206**, and if you desaturate by 10%, it is **106, 152, 206**.

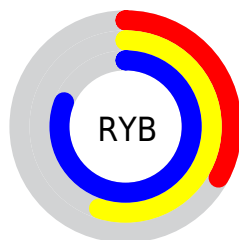
Distribution



Red (33%)

Green (74%)

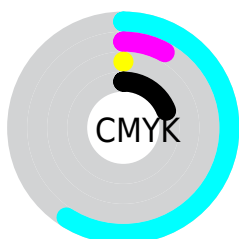
Blue (81%)



Red (33%)

Yellow (55%)

Blue (81%)

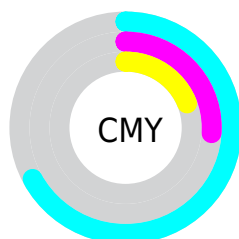


Cyan (59%)

Magenta (8%)

Yellow (0%)

Black (19%)



Cyan (67%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 141, 206 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, 141, 206 by changing the saturation by 10% instead.



85, 141, 206



85, 141, 206

255, 255, 255



51, 110, 178



145, 198, 255



0, 72, 152



174, 215, 255



0, 59, 126



204, 230, 255



0, 46, 101



234, 245, 255



0, 34, 77



0, 23, 54




0, 9, 33





0, 0, 7




0, 0, 0

 85, 141, 206


 85, 141, 206

 64, 130, 206

 106, 152, 206

 44, 119, 206

 126, 163, 206

 23, 108, 206

 147, 174, 206

 3, 97, 206

 167, 185, 206

 0, 95, 206

 188, 196, 206

 209, 206, 206

 229, 209, 206

 250, 213, 206

 255, 217, 206

Harmonies

Analogous

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



98, 148, 191



85, 141, 206



106, 153, 225

Triad

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



85, 141, 206



215, 158, 199



138, 190, 119

Complementary

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



85, 141, 206



206, 105, 85

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.



215, 197, 125



85, 141, 206



230, 154, 171

Square

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



85, 141, 206



185, 166, 221



229, 159, 144



129, 183, 152

Rectangle

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



85, 141, 206



131, 163, 230



229, 159, 144



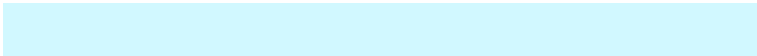
161, 199, 120

Sweetspot

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



85, 141, 206



209, 230, 255



85, 192, 206



99, 112, 128



0, 0, 0



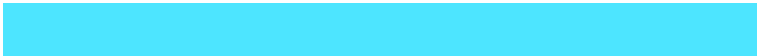
128, 128, 128

Same Dimension

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



85, 141, 206



77, 159, 255



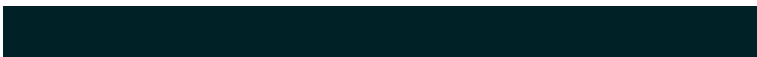
85, 117, 206



92, 97, 102



0, 77, 166



0, 18, 38

Inverse Universe

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



206, 85, 189



255, 77, 230



154, 206, 85



102, 92, 101



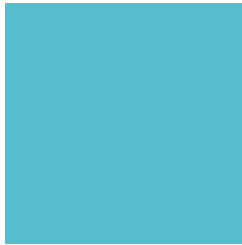
166, 0, 143



38, 0, 33

Previews

White Background



This preview shows how the RYB color 85, 141, 206 looks on a white background.

Color Contrast Check

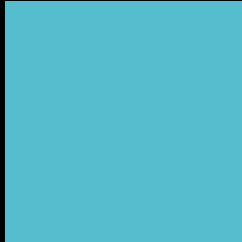
Large Text (above 18pt) WCAG AA × Fail

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, 141, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

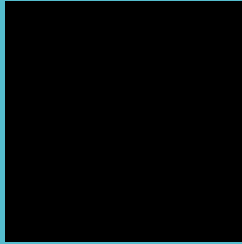
Any Text WCAG AA ✓ Pass

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, 141, 206 Background



This preview shows how black text looks on a background with the RYB color 85, 141, 206.



This preview shows how white text looks on a background with the RYB color 85, 141, 206.

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, 141, 206

Protanopia
171, 173, 195


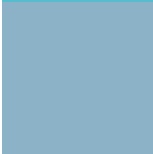
Deuteranopia
173, 170, 210




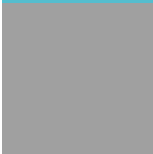

Tritanopia

84, 140, 205

Trichromacy

	Original Color 85, 141, 206
	Protanomaly 140, 163, 199
	Deuteranomaly 141, 165, 209
	Tritanomaly 84, 140, 205

Monochromacy

	Original Color 85, 141, 206
	Achromatopsia 160, 160, 160
	Achromatomaly 133, 153, 177

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 141, 206 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, 189, 206) looks like.

```
.text, #text, p{  
    color:rgb(85, 189, 206)  
}
```


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, 189, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 189, 206) }
```

Border

The CSS property to change the border of an element to RYB 85, 141, 206 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, 189, 206) }
```


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

```
.border{ border-color:rgb(85, 189, 206) }
```

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

Here you see how a box with a 4 pixel rgb(85, 189, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 189, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 189, 206);  
box-shadow:4px 4px 4px 4px rgb(85, 189,  
206) }
```


Background

The CSS property to change the background color of an element to RGB 85, 141, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 189, 206) }
```

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

```
.background{ background-color: rgb(85, 189,  
206) }
```

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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