

Converting Colors

`RYB(113, 207, 244)`

Have a look what the booklet for
RYB(113, 207, 244) contains.

RYB(113, 207, 244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(113, 207, 244)

Conversions

Conversions Part 1

Format	Color
Hex	71F4A5
RGB	113, 244, 165
RGB Percent	44%, 96%, 65%
CMY	0.5569, 0.0431, 0.3547
CMYK	0.54, 0.00, 0.33, 0.04
HSL	144°, 86%, 70%
HSV	144°, 54%, 96%
XYZ	45.9126, 70.9128, 46.6572
YIQ	195.8250, -52.7170, -52.3410

Conversions

Conversions Part 2

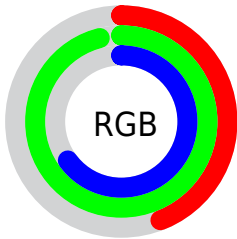
Format	Color
RYB	113, 207, 244
Decimal	7468197
CIELab	87.44, -53.56, 27.57
CIELCh	87, 60.237, 152.765
Yxy	70.9128, 0.2808, 0.4338
Android (android.graphics.Color)	4285658277 (0xFF71F4A5)
YUV	195.8250, -15.1967, -72.6375
Hunter-Lab	84.2098, -50.0458, 26.0966

Details

The RYB color **113, 207, 244** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **244, 113, 192**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **173, 225, 255**, and **46, 142, 187** is the 20% darker color. If you saturate the color by 10%, you get **89, 200, 244**, and if you desaturate by 10%, it is **137, 214, 244**.

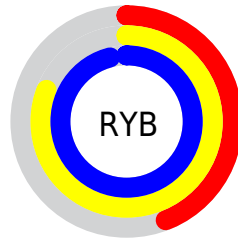
Distribution



Red (44%)

Green (96%)

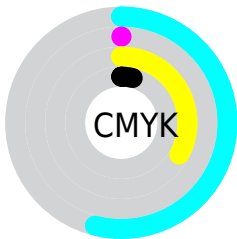
Blue (65%)



Red (44%)

Yellow (81%)

Blue (96%)

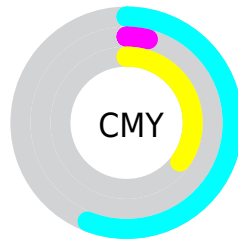


Cyan (54%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (56%)

Magenta (4%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 207, 244 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 113, 207, 244 by changing the saturation by 10% instead.

 113, 207, 244


255, 255, 255


 173, 225, 255

 202, 230, 255

 233, 244, 255

 113, 207, 244

 82, 176, 215

 46, 142, 187


 0, 103, 159

 0, 89, 132

 0, 77, 106

 0, 67, 81

 0, 56, 56

 0, 33, 33

 0, 0, 0

■ 113, 207, 244

■ 113, 207, 244

■ 89, 200, 244

■ 137, 214, 244

■ 64, 193, 244

■ 162, 221, 244

■ 40, 187, 244

■ 186, 228, 244

■ 15, 179, 244

■ 211, 235, 244

■ 0, 175, 244

■ 235, 241, 244

■ 255, 244, 253

■ 255, 244, 255

Harmonies

Analogous

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



119, 234, 164



113, 207, 244



0, 131, 248

Triad

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



113, 207, 244



128, 182, 255



255, 182, 160

Complementary

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



113, 207, 244



244, 113, 192

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, 171, 216



113, 207, 244



230, 202, 255

Square

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



113, 207, 244



0, 123, 255



255, 181, 255



219, 255, 118

Rectangle

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



113, 207, 244



0, 126, 255



255, 181, 255



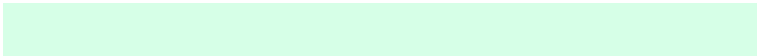
255, 174, 178

Sweetspot

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



113, 207, 244



214, 243, 255



113, 244, 163



103, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



113, 207, 244



92, 209, 255



113, 182, 244



110, 118, 122



0, 134, 186



0, 42, 59

Inverse Universe

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



244, 113, 192



255, 92, 191



244, 113, 128



122, 110, 118



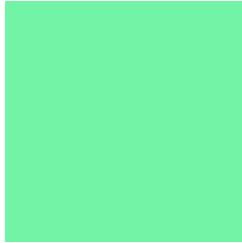
186, 0, 113



59, 0, 36

Previews

White Background



This preview shows how the RYB color 113, 207, 244 looks on a white background.

Color Contrast Check

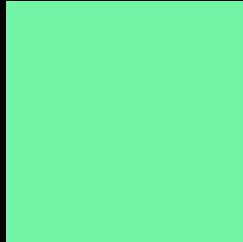
Large Text (above 18pt) WCAG AA × Fail

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 113, 207, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

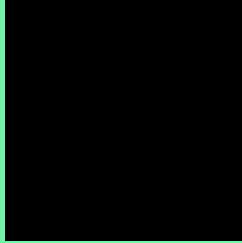
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

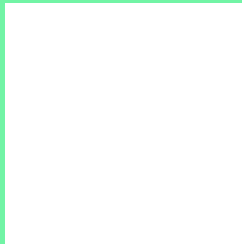
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 113, 207, 244 Background



This preview shows how black text looks on a background with the RYB color 113, 207, 244.

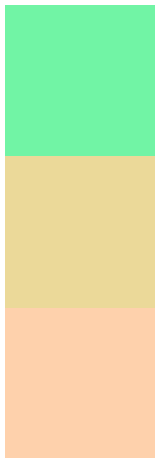


This preview shows how white text looks on a background with the RYB color 113, 207, 244.

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](#).

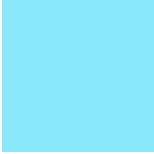
Dichromacy



Original Color
113, 207, 244

Protanopia
176, 235, 153

Deuteranopia
254, 239, 172



Tritanopia
137, 189, 252

Trichromacy



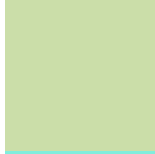
Original Color

113, 207, 244



Protanomaly

157, 227, 193



Deuteranomaly

169, 222, 188



Tritanomaly

128, 187, 237

Monochromacy



Original Color

113, 207, 244



Achromatopsia

196, 196, 196



Achromatomaly

166, 199, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 207, 244 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(113, 244, 165)` looks like.

```
.text, #text, p{  
    color:rgb(113, 244, 165)  
}
```

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(113, 244, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 244, 165) }
```

Border

The CSS property to change the border of an element to RYB 113, 207, 244 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(113, 244, 165) }
```

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

```
.border{ border-color:rgb(113, 244, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 244, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 244, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 244, 165); box-shadow:4px 4px 4px 4px rgb(113, 244, 165) }
```

Background

The CSS property to change the background color of an element to RYB 113, 207, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 244, 165) }
```

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

```
.background{ background-color: rgb(113,  
244, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor