

Converting Colors

`RYB(142, 186, 255)`

Have a look what the booklet for
RYB(142, 186, 255) contains.

RYB(142, 186, 255)	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(142, 186, 255)

Conversions

Conversions Part 1

Format	Color
Hex	8ED6FF
RGB	142, 214, 255
RGB Percent	56%, 84%, 100%
CMY	0.4431, 0.1606, 0.0000
CMYK	0.44, 0.16, 0.00, 0.00
HSL	202°, 100%, 78%
HSV	202°, 44%, 100%
XYZ	53.2666, 61.0933, 103.5925
YIQ	197.1460, -56.0730, -2.5130

Conversions

Conversions Part 2

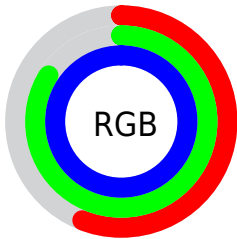
Format	Color
R _Y B	142, 186, 255
Decimal	9361151
CIE Lab	82.43, -12.03, -27.00
CIE LCh	82, 29.560, 245.986
Yxy	61.0933, 0.2444, 0.2803
Android (android.graphics.Color)	4287551231 (0xFF8ED6FF)
YUV	197.1460, 28.5220, -48.3630
Hunter-Lab	78.1622, -15.1383, -23.8666

Details

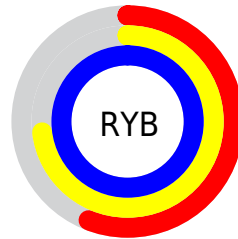
The RYB color **142, 186, 255** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **255, 206, 142**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **200, 228, 255**, and **84, 129, 198** is the 20% darker color. If you saturate the color by 10%, you get **117, 171, 255**, and if you desaturate by 10%, it is **168, 202, 255**.

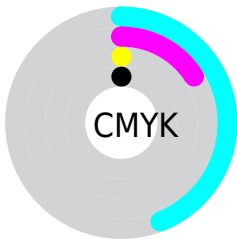
Distribution



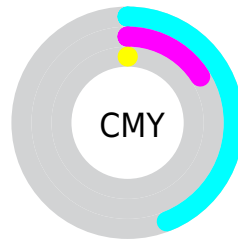
- Red (56%)
- Green (84%)
- Blue (100%)



- Red (56%)
- Yellow (73%)
- Blue (100%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 186, 255 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 142, 186, 255 by changing the saturation by 10% instead.

 142, 186, 255


255, 255, 255


 200, 228, 255

 229, 242, 255

 142, 186, 255

 113, 157, 226

 84, 129, 198

 53, 101, 171

 6, 65, 144

 0, 49, 118

 0, 37, 94

 0, 25, 70

 0, 13, 47

 0, 1, 26

■ 142, 186, 255

■ 142, 186, 255

■ 117, 171, 255

■ 168, 202, 255

■ 91, 155, 255

■ 193, 217, 255

■ 66, 139, 255

■ 219, 233, 255

■ 40, 124, 255

■ 244, 248, 255

■ 15, 108, 255

255, 255, 255

■ 0, 99, 255

Harmonies

Analogous

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



123, 175, 237



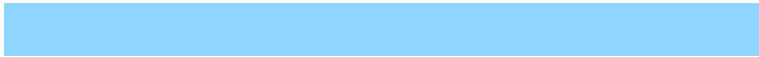
142, 186, 255



179, 199, 255

Triad

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



142, 186, 255



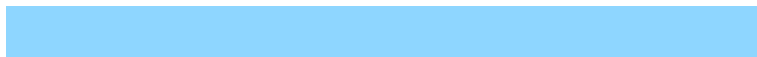
255, 185, 200



160, 213, 184

Complementary

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



142, 186, 255



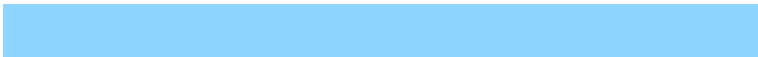
255, 206, 142

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.



169, 220, 150



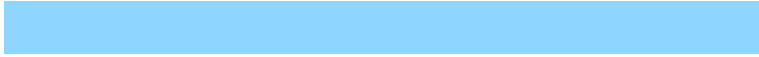
142, 186, 255



255, 191, 174

Square

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



142, 186, 255



246, 188, 228



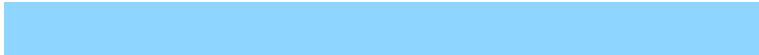
245, 230, 155



158, 202, 219

Rectangle

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



142, 186, 255



204, 199, 255



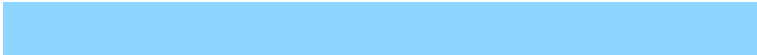
245, 230, 155



155, 211, 166

Sweetspot

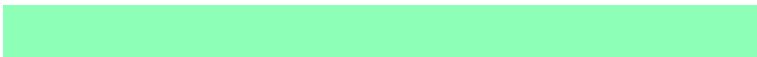
The Sweet Spot groups the original color and five complimentary colors.



142, 186, 255



222, 235, 255



142, 225, 255



107, 115, 128



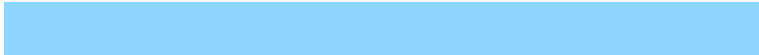
0, 0, 0



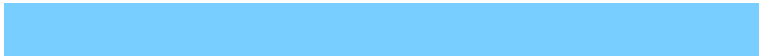
128, 128, 128

Same Dimension

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



142, 186, 255



120, 173, 255



142, 157, 255



115, 120, 128



0, 74, 191



0, 25, 64

Inverse Universe

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



255, 142, 214



255, 120, 206



162, 255, 142



128, 115, 123



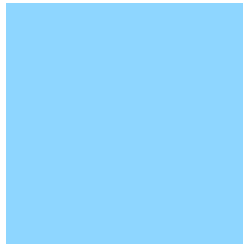
191, 0, 122



64, 0, 41

Previews

White Background



This preview shows how the RYB color 142, 186, 255 looks on a white background.

Color Contrast Check

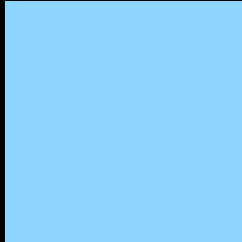
Large Text (above 18pt) WCAG AA × Fail

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 142, 186, 255 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 142, 186, 255 Background



This preview shows how black text looks on a background with the RYB color 142, 186, 255.

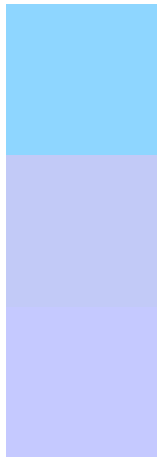


This preview shows how white text looks on a background with the RYB color 142, 186, 255.

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
142, 186, 255

Protanopia
194, 201, 247

Deuteranopia
197, 201, 255



Tritanopia
136, 181, 235

Trichromacy



Original Color

142, 186, 255



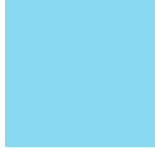
Protanomaly

175, 197, 250



Deuteranomaly

177, 198, 255



Tritanomaly

138, 183, 242

Monochromacy



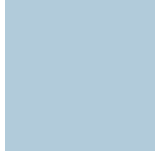
Original Color

142, 186, 255



Achromatopsia

197, 197, 197



Achromatomaly

177, 193, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 186, 255 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(142, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 214, 255)  
}
```

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(142, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 214, 255) }
```

Border

The CSS property to change the border of an element to RYB 142, 186, 255 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(142, 214, 255) }
```

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

```
.border{ border-color:rgb(142, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 214, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 214, 255); box-shadow:4px 4px 4px 4px rgb(142, 214, 255) }
```

Background

The CSS property to change the background color of an element to RYB 142, 186, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 214, 255) }
```

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

```
.background{ background-color: rgb(142,  
214, 255) }
```

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