

Converting Colors

`RYB(214, 232, 255)`

Have a look what the booklet for RYB(214, 232, 255) contains.

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Color

R_YB(214, 232, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D6F6FF
RGB	214, 246, 255
RGB Percent	84%, 96%, 100%
CMY	0.1608, 0.0350, 0.0000
CMYK	0.16, 0.03, 0.00, 0.00
HSL	193°, 100%, 92%
HSV	193°, 16%, 100%
XYZ	78.7638, 87.4806, 107.3419
YIQ	237.4580, -21.9610, -3.9850

Conversions

Conversions Part 2

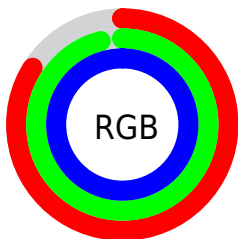
Format	Color
R_{YB}	214, 232, 255
Decimal	14087935
CIE Lab	94.94, -8.56, -7.77
CIE LCh	95, 11.560, 222.253
Yxy	87.4806, 0.2879, 0.3198
Android (android.graphics.Color)	4292278015 (0xFFD6F6FF)
YUV	237.4580, 8.6482, -20.5727
Hunter-Lab	93.5311, -13.3621, -2.5730

Details

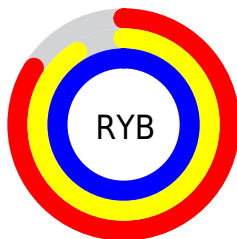
The RYB color **214, 232, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 226, 214**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **255, 255, 255**, and **159, 176, 198** is the 20% darker color. If you saturate the color by 10%, you get **189, 218, 255**, and if you desaturate by 10%, it is **240, 247, 255**.

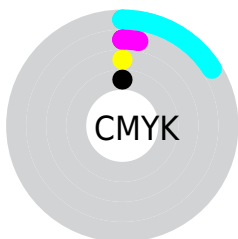
Distribution



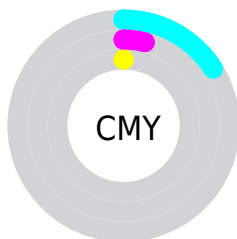
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 214, 232, 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 214, 232, 255 by changing the saturation by 10% instead.

■ 214, 232, 255

255, 255, 255

■ 214, 232, 255

■ 186, 204, 226

■ 159, 176, 198

■ 132, 149, 171

■ 107, 123, 145

■ 82, 98, 119

■ 58, 74, 94

■ 35, 51, 71

■ 11, 28, 48

■ 0, 12, 27

■ 214, 232, 255

■ 214, 232, 255

■ 189, 218, 255

■ 240, 247, 255

■ 163, 203, 255

255, 255, 255

■ 138, 189, 255

■ 112, 175, 255

■ 87, 161, 255

■ 61, 146, 255

■ 35, 132, 255

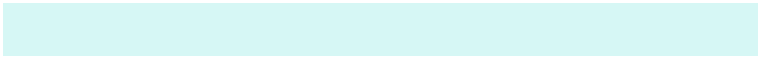
■ 10, 118, 255

■ 0, 112, 255

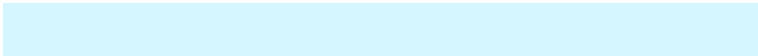
Harmonies

Analogous

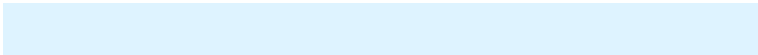
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



214, 231, 247



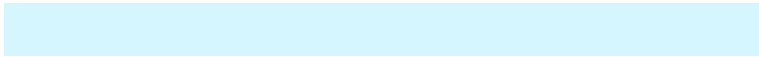
214, 232, 255



222, 235, 255

Triad

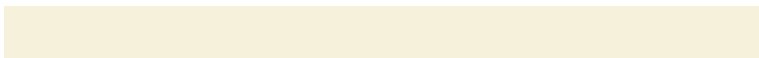
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



214, 232, 255



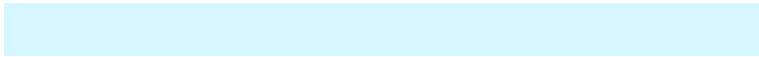
255, 234, 248



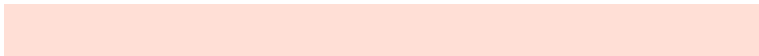
224, 245, 219

Complementary

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



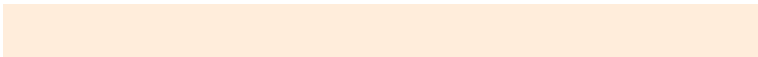
214, 232, 255



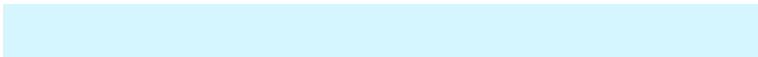
255, 226, 214

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, 255, 219



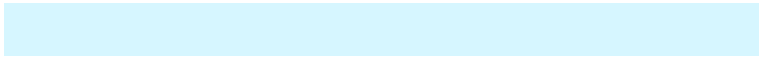
214, 232, 255



255, 233, 236

Square

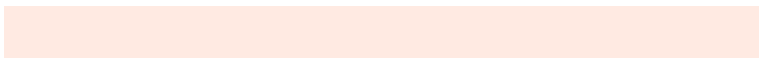
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



214, 232, 255



248, 236, 255



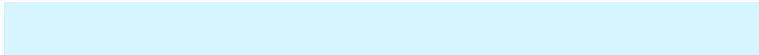
255, 237, 226



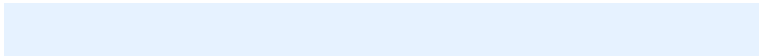
224, 244, 236

Rectangle

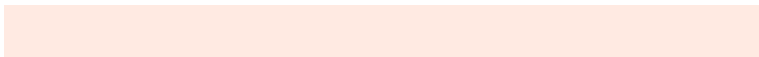
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



214, 232, 255



230, 238, 255



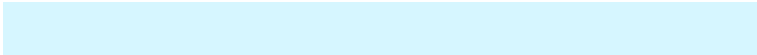
255, 237, 226



231, 249, 218

Sweetspot

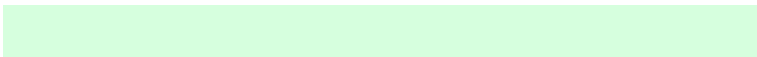
The Sweet Spot groups the original color and five complimentary colors.



214, 232, 255



242, 248, 255



214, 248, 255



120, 123, 128



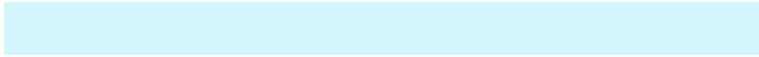
0, 0, 0



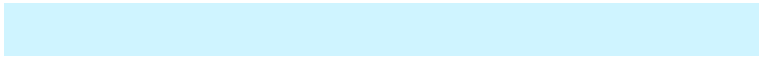
128, 128, 128

Same Dimension

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



214, 232, 255



207, 228, 255



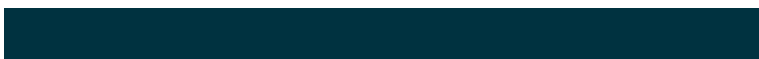
214, 223, 255



115, 121, 128



0, 84, 191



0, 28, 64

Inverse Universe

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



255, 214, 246



255, 207, 244



231, 255, 214



128, 115, 125



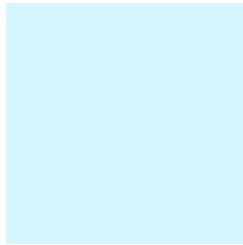
191, 0, 150



64, 0, 50

Previews

White Background



This preview shows how the RYB color 214, 232, 255 looks on a white background.

Color Contrast Check

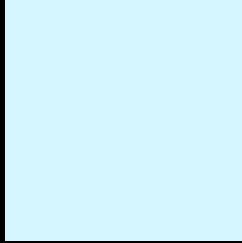
Large Text (above 18pt) WCAG AA × Fail

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 214, 232, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

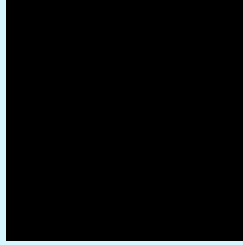
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

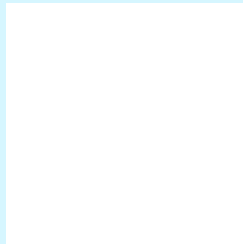
Any Text WCAG AAA ✓ Pass

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

RYP 214, 232, 255 Background



This preview shows how black text looks on a background with the RYB color 214, 232, 255.

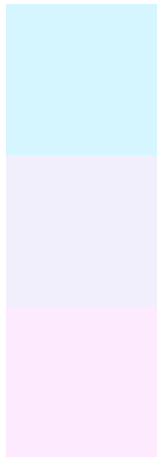


This preview shows how white text looks on a background with the RYB color 214, 232, 255.

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
214, 232, 255

Protanopia
241, 239, 251

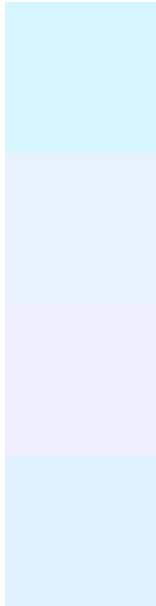
Deuteranopia
253, 234, 255



Tritanopia

226, 237, 255

Trichromacy



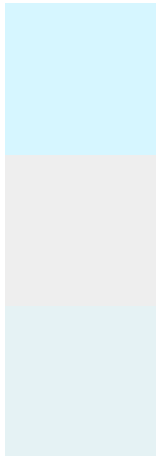
Original Color
214, 232, 255

Protanomaly
231, 238, 252

Deuteranomaly
239, 238, 255

Tritanomaly
222, 235, 255

Monochromacy



Original Color
214, 232, 255

Achromatopsia
238, 238, 238

Achromatomaly
229, 236, 244

CSS Examples

Text

The CSS property to change the color of the text to RYB 214, 232, 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(214, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(214, 246, 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(214, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 246, 255) }
```

Border

The CSS property to change the border of an element to RYB 214, 232, 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(214, 246, 255) }
```

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

```
.border{ border-color:rgb(214, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 246,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 214, 232, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 246, 255) }
```

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

```
.background{ background-color: rgb(214,  
246, 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](#).

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