

Converting Colors

`RYB(227, 255, 248)`

Have a look what the booklet for
RYB(227, 255, 248) contains.

RYB(227, 255, 248)	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(227, 255, 248)

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE3
RGB	234, 255, 227
RGB Percent	92%, 100%, 89%
CMY	0.0824, 0.0000, 0.1098
CMYK	0.08, 0.00, 0.11, 0.00
HSL	105°, 100%, 95%
HSV	105°, 11%, 100%
XYZ	83.5568, 94.5585, 86.5207
YIQ	245.5290, -3.5280, -13.1600

Conversions

Conversions Part 2

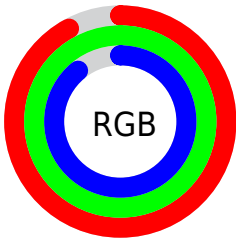
Format	Color
R_{YB}	227, 255, 248
Decimal	15400931
CIE _{Lab}	97.86, -11.78, 11.06
CIE _{LCh}	98, 16.157, 136.812
Yxy	94.5585, 0.3157, 0.3573
Android (android.graphics.Color)	4293591011 (0xFFEAF _{FE} 3)
YUV	245.5290, -9.1348, -10.1109
Hunter-Lab	97.2412, -16.7917, 15.3153

Details

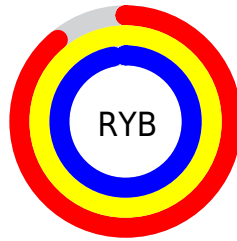
The RYB color **227, 255, 248** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **248, 227, 255**, and the grayscale version is **246, 246, 246**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 198, 192** is the 20% darker color. If you saturate the color by 10%, you get **202, 255, 242**, and if you desaturate by 10%, it is **252, 255, 254**.

Distribution



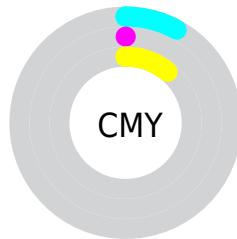
- Red (92%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 255, 248 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 227, 255, 248 by changing the saturation by 10% instead.

 227, 255, 248

255, 255, 255


 227, 255, 248


 199, 226, 219


 172, 198, 192

 145, 171, 165

 119, 144, 138

 95, 119, 114

 71, 94, 89

 48, 70, 65

 27, 48, 43

 1, 27, 17

■ 227, 255, 248

■ 227, 255, 248

■ 202, 255, 242

■ 252, 255, 254

■ 176, 255, 235

255, 255, 255

■ 150, 255, 228

■ 125, 255, 223

■ 99, 255, 216

■ 74, 255, 210

■ 49, 255, 204

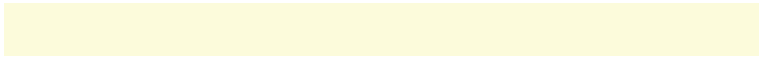
■ 23, 255, 197

■ 0, 255, 191

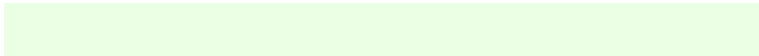
Harmonies

Analogous

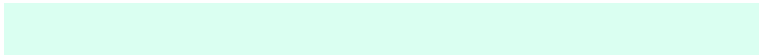
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220, 252, 219



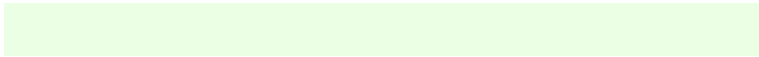
227, 255, 248



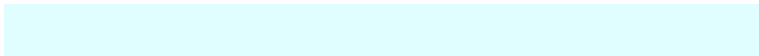
218, 241, 255

Triad

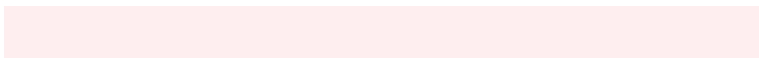
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 255, 248



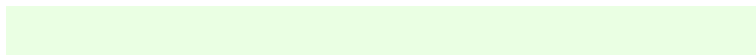
224, 239, 255



255, 238, 240

Complementary

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



227, 255, 248



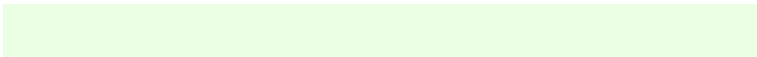
248, 227, 255

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, 239, 255



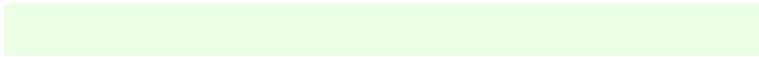
227, 255, 248



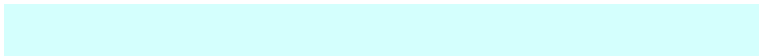
243, 246, 255

Square

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



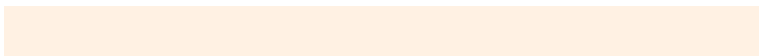
227, 255, 248



212, 234, 255



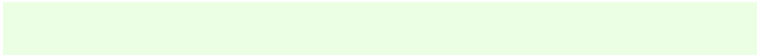
255, 242, 255



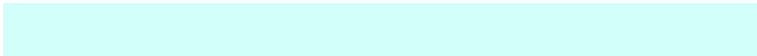
255, 255, 227

Rectangle

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



227, 255, 248



211, 234, 255



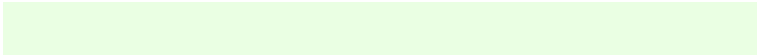
255, 242, 255



255, 238, 246

Sweetspot

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



227, 255, 248



247, 255, 253



236, 255, 227



122, 128, 126



0, 0, 0



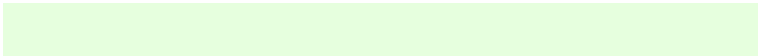
128, 128, 128

Same Dimension

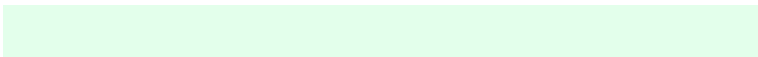
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227, 255, 248



222, 255, 247



227, 249, 255



115, 128, 125



0, 191, 143



0, 64, 48

Inverse Universe

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



248, 227, 255



247, 222, 255



255, 227, 248



124, 115, 128



143, 0, 191



48, 0, 64

Previews

White Background



This preview shows how the RYB color 227, 255, 248 looks on a white background.

Color Contrast Check

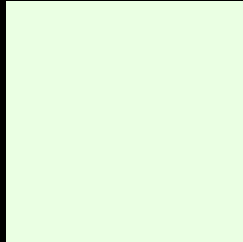
Large Text (above 18pt) WCAG AA × Fail

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 227, 255, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

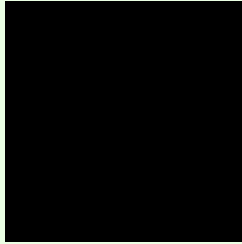
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

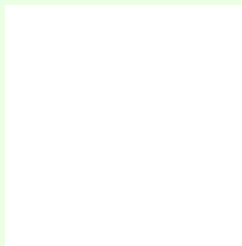
Any Text WCAG AAA ✓ Pass

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

RYB 227, 255, 248 Background



This preview shows how black text looks on a background with the RYB color 227, 255, 248.

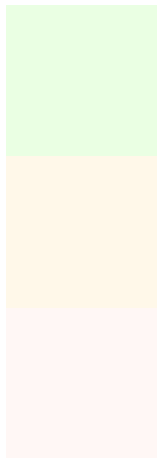


This preview shows how white text looks on a background with the RYB color 227, 255, 248.

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
227, 255, 248

Protanopia
243, 255, 233

Deuteranopia
255, 248, 245



Tritanopia

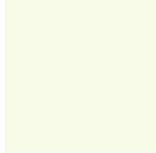
246, 248, 255

Trichromacy



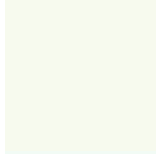
Original Color

227, 255, 248



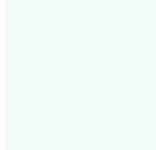
Protanomaly

231, 251, 235



Deuteranomaly

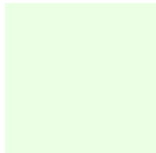
238, 250, 241



Tritanomaly

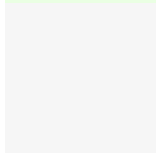
242, 249, 251

Monochromacy



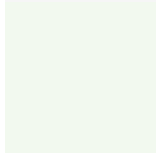
Original Color

227, 255, 248



Achromatopsia

246, 246, 246



Achromatomaly

239, 249, 246

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 255, 248 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(234, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 227)  
}
```

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(234, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 227) }
```

Border

The CSS property to change the border of an element to RYB 227, 255, 248 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(234, 255, 227) }
```

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

```
.border{ border-color:rgb(234, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 227, 255, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 227) }
```

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

```
.background{ background-color: rgb(234,  
255, 227) }
```

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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