Converting Colors

RYB(229, 240, 255)

Have a look what the booklet for RYB(229, 240, 255) contains.

Color

RYB(229, 240, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E5F8FF
RGB	229, 248, 255
RGB Percent	90%, 97%, 100%
CMY	0.1020, 0.0272, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	196°, 100%, 95%
HSV	196°, 10%, 100%
XYZ	83.9510, 91.0538, 107.7582
YIQ	243.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

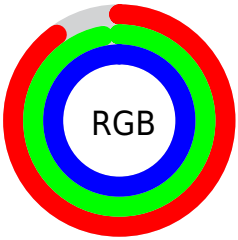
Format	Color
RYB	229, 240, 255
Decimal	15071487
CIELab	96.43, -4.89, -5.46
CIELCh	96, 7.329, 228.159
Yxy	91.0538, 0.2969, 0.3220
Android (android.graphics.Color)	4293261567 (0xFFE5F8FF)
YUV	243.1170, 5.8583, -12.3806
Hunter-Lab	95.4221, -9.9470, -0.1595

Details

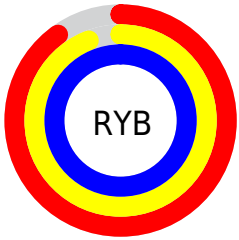
The RYB color 229, 240, 255 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 255, 239, 229, and the grayscale version is 243, 243, 243.

A 20% lighter version of the original color is 255, 255, 255, and 173, 184, 198 is the 20% darker color. If you saturate the color by 10%, you get 204, 225, 255, and if you desaturate by 10%, it is 255, 255, 255.

Distribution

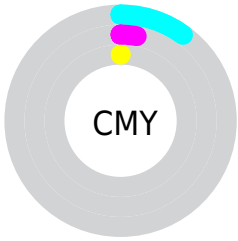


- Red (90%)
- Green (97%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)

- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 229, 240, 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 229, 240, 255 by changing the saturation by 10% instead.

229, 240, 255

255, 255, 255

229, 240, 255

201, 212, 226

173, 184, 198

147, 157, 171

121, 131, 145

96, 106, 119

72, 81, 94

49, 58, 71

27, 36, 48

4, 14, 27

229, 240, 255

204, 225, 255

178, 210, 255

153, 196, 255

127, 181, 255

102, 167, 255

76, 152, 255

51, 137, 255

25, 122, 255

0, 108, 255

229, 240, 255

255, 255, 255

Harmonies

Analogous

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

228, 239, 249

229, 240, 255

235, 242, 255

Triad

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

229, 240, 255

255, 240, 248

231, 246, 231

Complementary

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

229, 240, 255

255, 239, 229

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.

252, 254, 231

229, 240, 255

255, 240, 241

Square

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

229, 240, 255

251, 242, 254

255, 245, 234

235, 248, 245

Rectangle

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

229, 240, 255

240, 244, 255

255, 245, 234

236, 249, 231

Sweetspot

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

229, 240, 255

247, 250, 255

229, 249, 255

122, 124, 128

0, 0, 0

128, 128, 128

Same Dimension

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

229, 240, 255

224, 237, 255

229, 234, 255

115, 120, 128

0, 81, 191

0, 27, 64

Inverse Universe

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

255, 229, 248

255, 224, 247

237, 255, 229

128, 115, 124

191, 0, 140

64, 0, 47

Previews

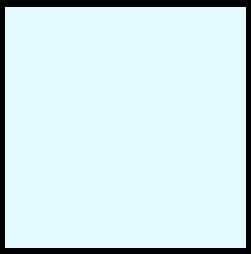
White Background

This preview shows how the RYB color 229, 240, 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



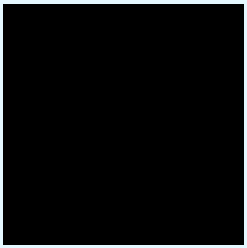
This preview shows how the RYB color 229, 240, 255 looks on a black background.

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 229, 240, 255 Background



This preview shows how black text looks on a background with the RYB color 229, 240, 255.

This preview shows how white text looks on a background with the RYB color 229, 240, 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
229, 240, 255

Protanopia
246, 243, 252

Deuteranopia
255, 240, 252

Tritanopia
238, 243, 255

Trichromacy

Original Color
229, 240, 255

Protanomaly
240, 244, 253

Deuteranomaly
246, 243, 253

Tritanomaly
235, 242, 255

Monochromacy

Original Color
229, 240, 255

Achromatopsia
243, 243, 243

Achromatomaly
238, 242, 247

CSS Examples

Text

The CSS property to change the color of the text to RYB 229, 240, 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(229, 248, 255) looks like.

```
.text, #text, p{
    color:rgb(229, 248, 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(229, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 255) }
```

Border

The CSS property to change the border of an element to RYB 229, 240, 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(229, 248, 255) }
```

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

```
.border{ border-color:rgb(229, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 248, 255); box-shadow:4px 4px 4px 4px rgb(229, 248, 255) }
```

Background

The CSS property to change the background color of an element to RYB 229, 240, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(229, 248, 255) }
```

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

```
.background{ background-color:rgb(229,
248, 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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