

Converting Colors

`RYB(228, 255, 253)`

Have a look what the booklet for
RYB(228, 255, 253) contains.

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Color

R_YB(228, 255, 253)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFE4
RGB	230, 255, 228
RGB Percent	90%, 100%, 89%
CMY	0.0980, 0.0000, 0.1059
CMYK	0.10, 0.00, 0.11, 0.00
HSL	116°, 100%, 95%
HSV	116°, 11%, 100%
XYZ	82.3967, 93.9444, 87.1891
YIQ	244.4470, -6.2330, -13.6970

Conversions

Conversions Part 2

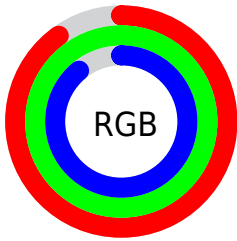
Format	Color
R_{YB}	228, 255, 253
Decimal	15138788
CIE _{Lab}	97.61, -12.94, 10.16
CIE _{LCh}	98, 16.452, 141.879
Y _{xy}	93.9444, 0.3127, 0.3565
Android (android.graphics.Color)	4293328868 (0xFFE6FFE4)
YUV	244.4470, -8.1084, -12.6700
Hunter-Lab	96.9249, -17.8743, 14.5130

Details

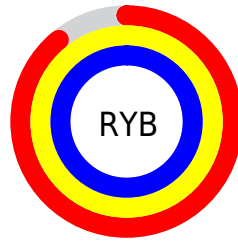
The RYB color **228, 255, 253** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **253, 228, 255**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 198, 197** is the 20% darker color. If you saturate the color by 10%, you get **203, 255, 252**, and if you desaturate by 10%, it is **254, 255, 255**.

Distribution



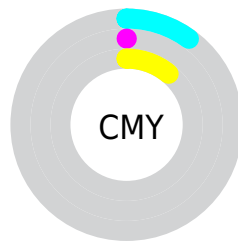
- Red (90%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 255, 253 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 228, 255, 253 by changing the saturation by 10% instead.

 228, 255, 253


255, 255, 255


 228, 255, 253

 200, 226, 224


 173, 198, 197

 146, 171, 169

 120, 144, 142

 95, 119, 117

 72, 94, 93

 49, 70, 69

 28, 48, 48

 2, 27, 23

 228, 255, 253

 228, 255, 253

 203, 255, 252


254, 255, 255

 177, 255, 249

255, 255, 255

 152, 255, 248

 126, 255, 245

 101, 255, 244

 75, 255, 242

 50, 255, 240

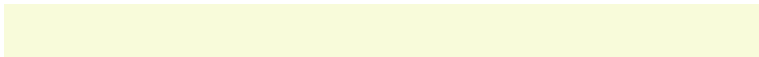
 24, 255, 238

 0, 255, 236

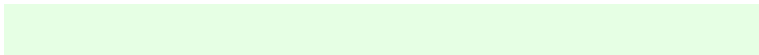
Harmonies

Analogous

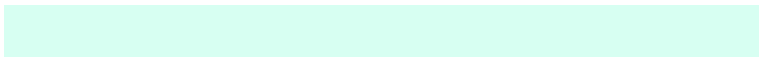
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218, 251, 221



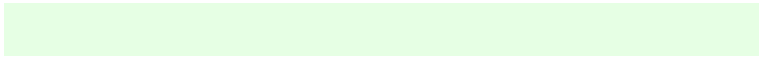
228, 255, 253



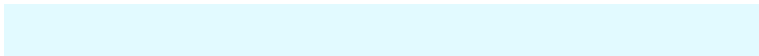
215, 239, 255

Triad

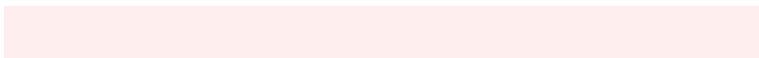
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 255, 253



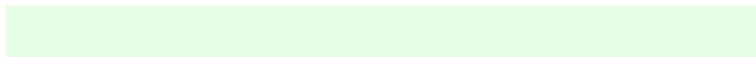
226, 239, 255



255, 238, 237

Complementary

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



228, 255, 253



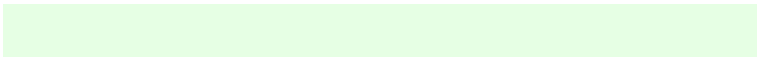
253, 228, 255

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, 238, 253



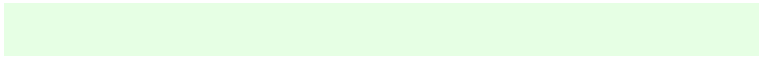
228, 255, 253



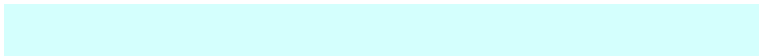
246, 245, 255

Square

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



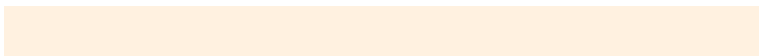
228, 255, 253



212, 234, 255



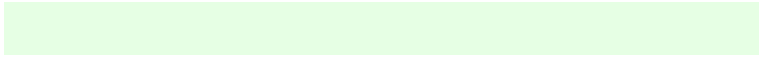
255, 241, 255



250, 255, 224

Rectangle

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



228, 255, 253



209, 232, 255



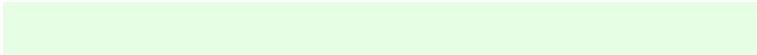
255, 241, 255



255, 237, 242

Sweetspot

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



228, 255, 253



247, 255, 254



230, 255, 228



122, 128, 127



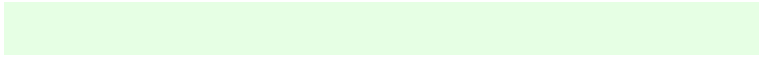
0, 0, 0



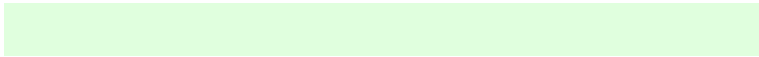
128, 128, 128

Same Dimension

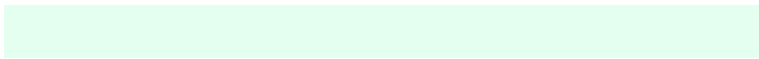
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 255, 253



222, 255, 253



228, 247, 255



115, 128, 127



0, 191, 177



0, 64, 59

Inverse Universe

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



253, 228, 255



253, 222, 255



255, 228, 244



127, 115, 128



177, 0, 191



59, 0, 64

Previews

White Background



This preview shows how the RYB color 228, 255, 253 looks on a white background.

Color Contrast Check

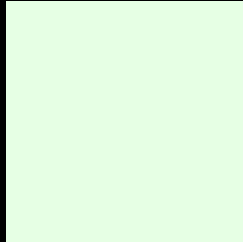
Large Text (above 18pt) WCAG AA × Fail

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 228, 255, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

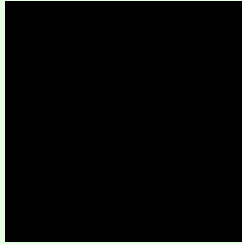
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

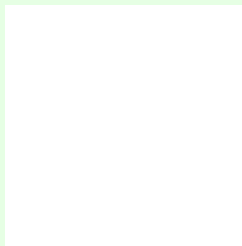
Any Text WCAG AAA ✓ Pass

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

RYB 228, 255, 253 Background



This preview shows how black text looks on a background with the RYB color 228, 255, 253.

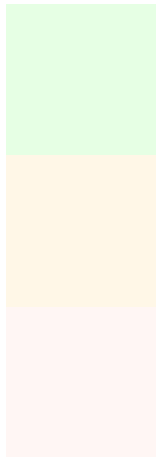


This preview shows how white text looks on a background with the RYB color 228, 255, 253.

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
228, 255, 253

Protanopia
243, 255, 231

Deuteranopia
255, 246, 244



Tritanopia

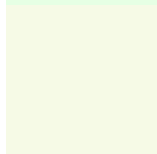
244, 247, 255

Trichromacy



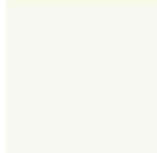
Original Color

228, 255, 253



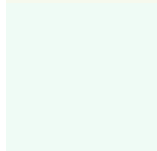
Protanomaly

230, 250, 234



Deuteranomaly

238, 249, 241



Tritanomaly

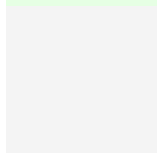
239, 247, 251

Monochromacy



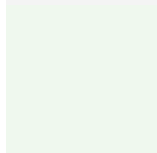
Original Color

228, 255, 253



Achromatopsia

244, 244, 244



Achromatomaly

238, 248, 247

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 255, 253 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(230, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 228)  
}
```

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(230, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 228) }
```

Border

The CSS property to change the border of an element to RYB 228, 255, 253 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(230, 255, 228) }
```

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

```
.border{ border-color:rgb(230, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 228, 255, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 228) }
```

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

```
.background{ background-color: rgb(230,  
255, 228) }
```

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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