

Converting Colors

`RYB(164, 252, 232)`

Have a look what the booklet for
RYB(164, 252, 232) contains.

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Color

R_YB(164, 252, 232)

Conversions

Conversions Part 1

Format	Color
Hex	B8FCA4
RGB	184, 252, 164
RGB Percent	72%, 99%, 64%
CMY	0.2784, 0.0118, 0.3569
CMYK	0.27, 0.00, 0.35, 0.01
HSL	106°, 94%, 82%
HSV	106°, 35%, 99%
XYZ	61.2784, 82.4915, 47.8147
YIQ	221.6360, -12.2800, -41.7840

Conversions

Conversions Part 2

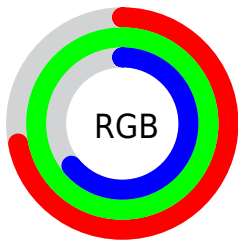
Format	Color
RYB	164, 252, 232
Decimal	12123300
CIELab	92.79, -36.99, 35.55
CIElCh	93, 51.302, 136.132
Yxy	82.4915, 0.3199, 0.4306
Android (android.graphics.Color)	4290313380 (0xFFB8FCA4)
YUV	221.6360, -28.4145, -33.0068
Hunter-Lab	90.8248, -38.5117, 32.3642

Details

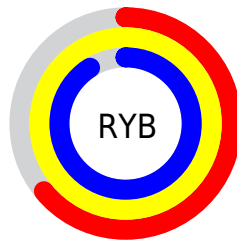
The RYB color **164, 252, 232** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **232, 164, 252**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **220, 255, 234**, and **111, 195, 177** is the 20% darker color. If you saturate the color by 10%, you get **139, 252, 226**, and if you desaturate by 10%, it is **189, 252, 238**.

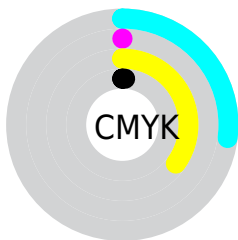
Distribution



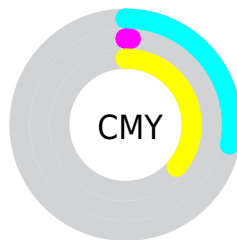
- Red (72%)
- Green (99%)
- Blue (64%)



- Red (64%)
- Yellow (99%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (35%)
- Black (1%)



- Cyan (28%)
- Magenta (1%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 252, 232 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 164, 252, 232 by changing the saturation by 10% instead.

 164, 252, 232


255, 255, 255

 220, 255, 234


 248, 255, 248


 164, 252, 232


 137, 223, 204

 111, 195, 177

 86, 168, 152

 61, 141, 127

 37, 115, 103

 11, 90, 83

 0, 66, 66

 0, 43, 43

 0, 17, 17

 164, 252, 232

 164, 252, 232

 139, 252, 226

 189, 252, 238

 114, 252, 221

 214, 252, 243

 88, 252, 214

 240, 252, 250

 63, 252, 209

 255, 252, 255

 38, 252, 203

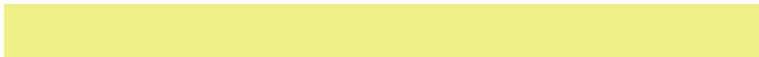
 13, 252, 198

 0, 252, 195

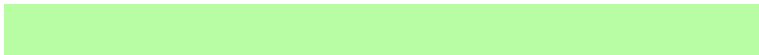
Harmonies

Analogous

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



137, 240, 137



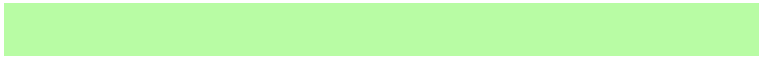
164, 252, 232



118, 200, 255

Triad

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



164, 252, 232



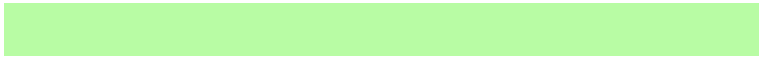
115, 183, 255



255, 196, 209

Complementary

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



164, 252, 232



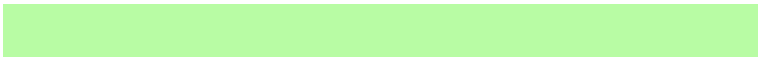
232, 164, 252

Split Complementary

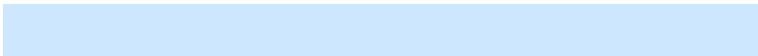
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 198, 255



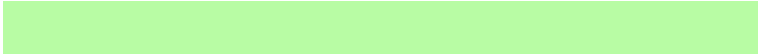
164, 252, 232



205, 222, 255

Square

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



164, 252, 232



0, 128, 255



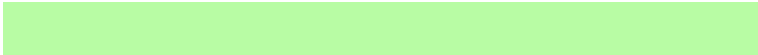
255, 212, 255



255, 244, 165

Rectangle

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



164, 252, 232



58, 160, 255



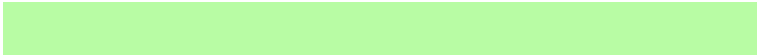
255, 212, 255



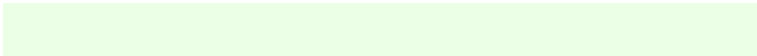
255, 195, 226

Sweetspot

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



164, 252, 232



230, 255, 250



192, 252, 164



112, 128, 124



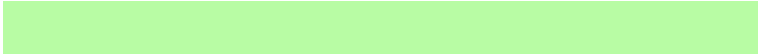
0, 0, 0



128, 128, 128

Same Dimension

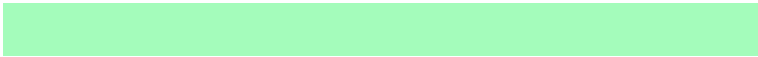
The Same Dimension uses a secret algorithm to generate beautiful new colors.



164, 252, 232



148, 255, 231



164, 234, 252



112, 125, 122



0, 189, 146



0, 61, 47

Inverse Universe

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



232, 164, 252



231, 148, 255



252, 164, 229



122, 112, 125



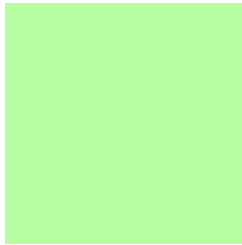
146, 0, 189



47, 0, 61

Previews

White Background



This preview shows how the RYB color 164, 252, 232 looks on a white background.

Color Contrast Check

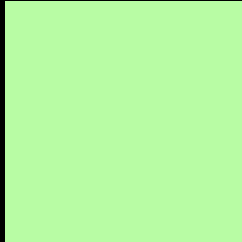
Large Text (above 18pt) WCAG AA × Fail

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 164, 252, 232 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 164, 252, 232 Background



This preview shows how black text looks on a background with the RYB color 164, 252, 232.

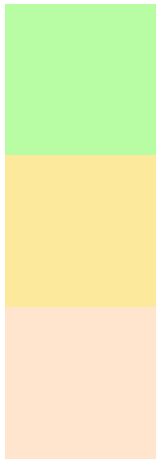


This preview shows how white text looks on a background with the RYB color 164, 252, 232.

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
164, 252, 232

Protanopia
181, 253, 156

Deuteranopia
255, 249, 206



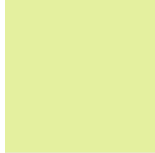
Tritanopia
206, 226, 255

Trichromacy



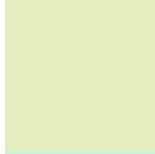
Original Color

164, 252, 232



Protanomaly

159, 240, 171



Deuteranomaly

191, 237, 199



Tritanomaly

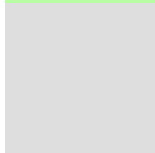
198, 228, 244

Monochromacy



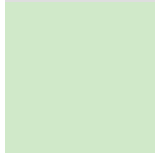
Original Color

164, 252, 232



Achromatopsia

222, 222, 222



Achromatomaly

201, 233, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 252, 232 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(184, 252, 164)` looks like.

```
.text, #text, p{  
    color:rgb(184, 252, 164)  
}
```

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(184, 252, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 252, 164) }
```

Border

The CSS property to change the border of an element to RYB 164, 252, 232 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(184, 252, 164) }
```

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

```
.border{ border-color:rgb(184, 252, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 252, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 252, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 252, 164);  
box-shadow:4px 4px 4px 4px rgb(184, 252,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 164, 252, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 252, 164) }
```

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

```
.background{ background-color: rgb(184,  
252, 164) }
```

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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