

Converting Colors

`RYB(172, 228, 255)`

Have a look what the booklet for
RYB(172, 228, 255) contains.

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Color

R_YB(172, 228, 255)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFD4
RGB	172, 255, 212
RGB Percent	67%, 100%, 83%
CMY	0.3255, 0.0000, 0.1686
CMYK	0.33, 0.00, 0.17, 0.00
HSL	149°, 100%, 84%
HSV	149°, 33%, 100%
XYZ	64.6592, 85.0450, 75.3066
YIQ	225.2810, -35.6650, -30.9690

Conversions

Conversions Part 2

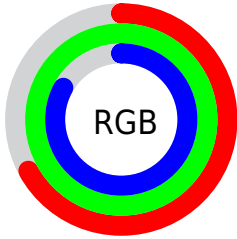
Format	Color
RYB	172, 228, 255
Decimal	11337684
CIELab	93.90, -33.97, 12.62
CIElCh	94, 36.240, 159.626
Yxy	85.0450, 0.2874, 0.3780
Android (android.graphics.Color)	4289527764 (0xFFACFFD4)
YUV	225.2810, -6.5475, -46.7274
Hunter-Lab	92.2199, -36.2310, 16.1378

Details

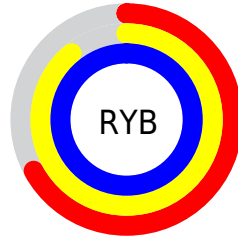
The RYB color **172, 228, 255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **255, 172, 215**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **229, 242, 255**, and **117, 171, 198** is the 20% darker color. If you saturate the color by 10%, you get **147, 220, 255**, and if you desaturate by 10%, it is **198, 237, 255**.

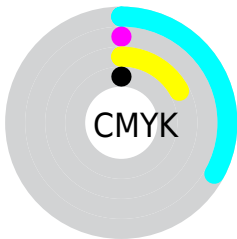
Distribution



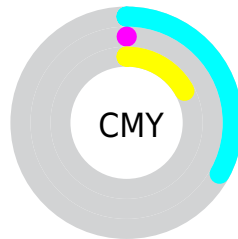
- Red (67%)
- Green (100%)
- Blue (83%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 228, 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 172, 228, 255 by changing the saturation by 10% instead.

 172, 228, 255


255, 255, 255


 229, 242, 255

 172, 228, 255

 144, 199, 226

 117, 171, 198

 90, 143, 170

 63, 116, 144

 33, 86, 117

 0, 56, 92

 0, 44, 68

 0, 33, 45

 0, 22, 22

 172, 228, 255

 172, 228, 255

 147, 220, 255


 198, 237, 255

 121, 211, 255


 223, 245, 255


 96, 204, 255

 249, 253, 255

 70, 195, 255

255, 255, 255

 45, 187, 255

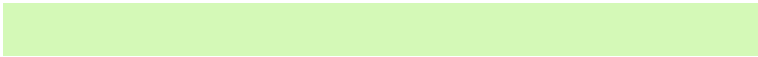
 19, 178, 255

 0, 172, 255

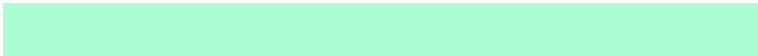
Harmonies

Analogous

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



183, 249, 220



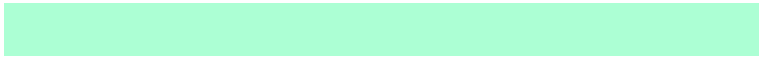
172, 228, 255



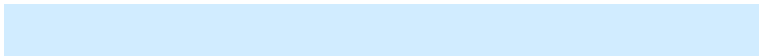
138, 198, 255

Triad

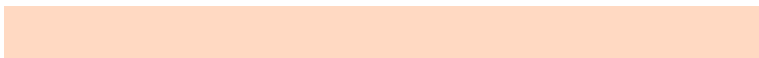
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



172, 228, 255



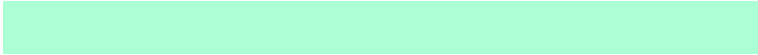
209, 226, 255



255, 231, 194

Complementary

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



172, 228, 255



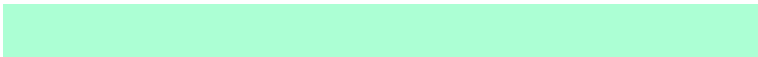
255, 172, 215

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, 212, 227



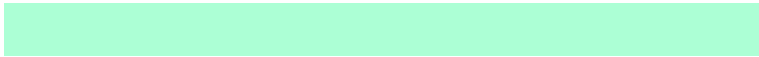
172, 228, 255



255, 225, 255

Square

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



172, 228, 255



160, 206, 255



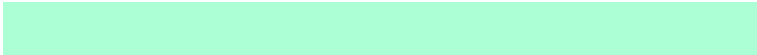
255, 215, 255



216, 255, 173

Rectangle

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



172, 228, 255



129, 192, 255



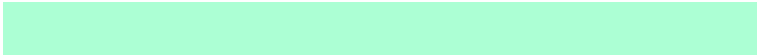
255, 215, 255



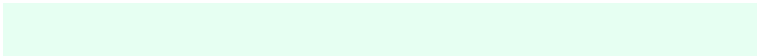
255, 216, 205

Sweetspot

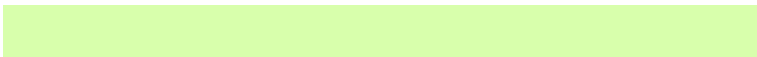
The Sweet Spot groups the original color and five complimentary colors.



172, 228, 255



230, 247, 255



172, 255, 211



112, 123, 128



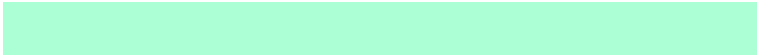
0, 0, 0



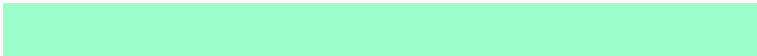
128, 128, 128

Same Dimension

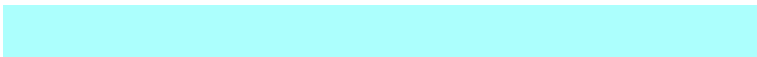
The Same Dimension uses a secret algorithm to generate beautiful new colors.



172, 228, 255



156, 223, 255



172, 214, 255



115, 124, 128



0, 129, 191



0, 43, 64

Inverse Universe

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



255, 172, 215



255, 156, 207



255, 172, 175



128, 115, 121



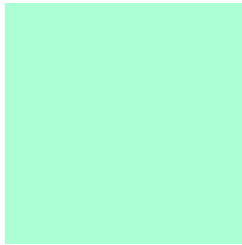
191, 0, 99



64, 0, 33

Previews

White Background



This preview shows how the RYB color 172, 228, 255 looks on a white background.

Color Contrast Check

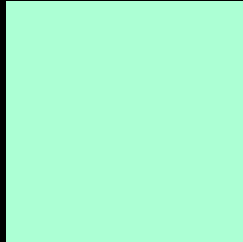
Large Text (above 18pt) WCAG AA × Fail

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 172, 228, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

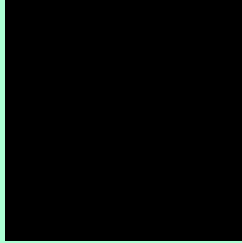
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

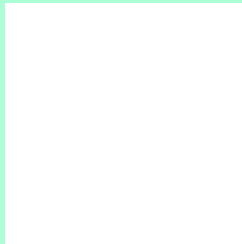
Any Text WCAG AAA ✓ Pass

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

R Y B 172, 228, 255 Background



This preview shows how black text looks on a background with the RYB color 172, 228, 255.

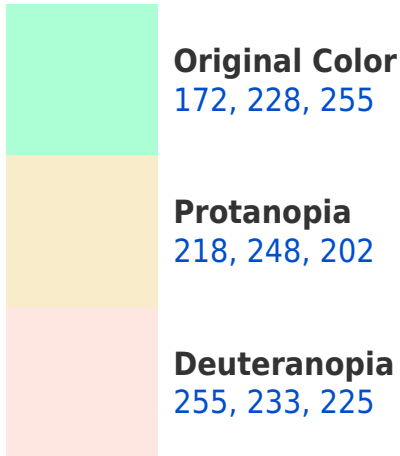


This preview shows how white text looks on a background with the RYB color 172, 228, 255.

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





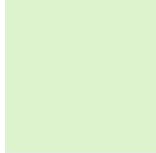
Tritanopia
208, 228, 255

Trichromacy



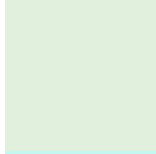
Original Color

172, 228, 255



Protanomaly

206, 243, 229



Deuteranomaly

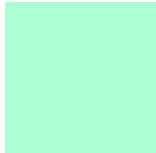
220, 240, 235



Tritanomaly

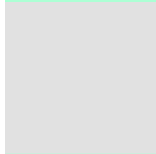
195, 223, 247

Monochromacy



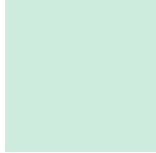
Original Color

172, 228, 255



Achromatopsia

225, 225, 225



Achromatomaly

206, 226, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 228, 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(172, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 212)  
}
```

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(172, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 212) }
```

Border

The CSS property to change the border of an element to RYB 172, 228, 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(172, 255, 212) }
```

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

```
.border{ border-color:rgb(172, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 172, 228, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 212) }
```

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

```
.background{ background-color: rgb(172,  
255, 212) }
```

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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