

Converting Colors

`RYB(172, 246, 214)`

Have a look what the booklet for
RYB(172, 246, 214) contains.

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Color

R_YB(172, 246, 214)

Conversions

Conversions Part 1

Format	Color
Hex	CCF6AC
RGB	204, 246, 172
RGB Percent	80%, 96%, 67%
CMY	0.2000, 0.0353, 0.3255
CMYK	0.17, 0.00, 0.30, 0.04
HSL	94°, 80%, 82%
HSV	94°, 30%, 96%
XYZ	65.3040, 81.7275, 51.3628
YIQ	225.0060, -1.2780, -31.9180

Conversions

Conversions Part 2

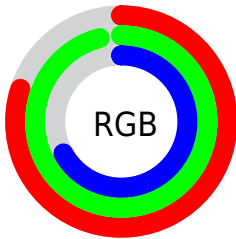
Format	Color
RYB	172, 246, 214
Decimal	13432492
CIELab	92.45, -26.27, 31.30
CIELCh	92, 40.867, 130.011
Yxy	81.7275, 0.3292, 0.4119
Android (android.graphics.Color)	4291622572 (0xFFCCCF6AC)
YUV	225.0060, -26.1320, -18.4223
Hunter-Lab	90.4032, -29.2638, 29.5965

Details

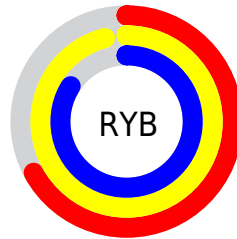
The RYB color **172, 246, 214** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **214, 172, 246**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **228, 255, 228**, and **119, 190, 160** is the 20% darker color. If you saturate the color by 10%, you get **147, 246, 203**, and if you desaturate by 10%, it is **197, 246, 225**.

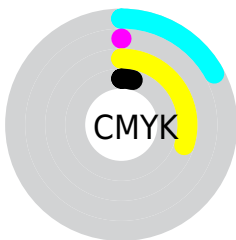
Distribution



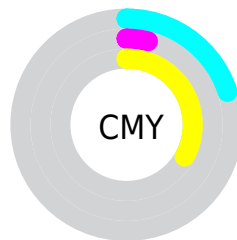
- Red (80%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 246, 214 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, 246, 214 by changing the saturation by 10% instead.

 172, 246, 214


255, 255, 255


 228, 255, 228

 172, 246, 214

 145, 217, 186

 119, 190, 160

 94, 162, 134


 69, 136, 108

 46, 110, 85

 22, 86, 61

 0, 62, 40

 0, 40, 40

 0, 16, 16

 172, 246, 214

 172, 246, 214

 147, 246, 203

 197, 246, 225

 123, 246, 193

 221, 246, 235

 98, 246, 182

 246, 246, 246

 74, 246, 172

 255, 246, 255

 49, 246, 161

 24, 246, 150

 0, 246, 140

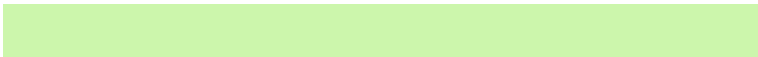
Harmonies

Analogous

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



169, 247, 155



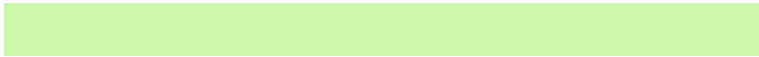
172, 246, 214



157, 221, 253

Triad

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



172, 246, 214



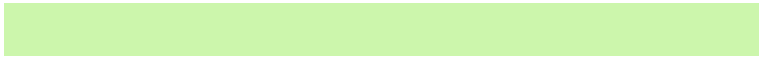
141, 195, 255



255, 204, 221

Complementary

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



172, 246, 214



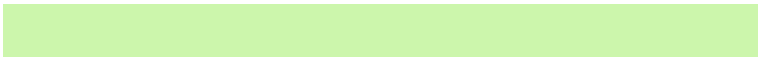
214, 172, 246

Split Complementary

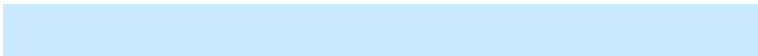
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 207, 255



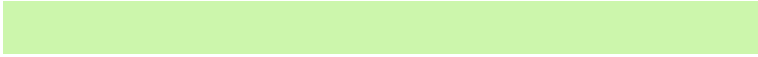
172, 246, 214



201, 221, 255

Square

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



172, 246, 214



101, 177, 255



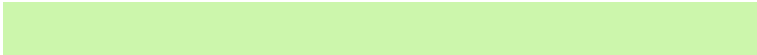
255, 219, 255



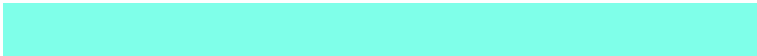
255, 224, 185

Rectangle

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



172, 246, 214



127, 197, 255



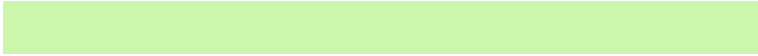
255, 219, 255



255, 204, 235

Sweetspot

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



172, 246, 214



232, 255, 245



228, 246, 172



113, 128, 121



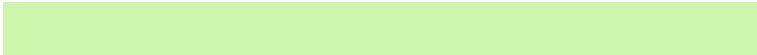
0, 0, 0



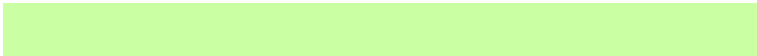
128, 128, 128

Same Dimension

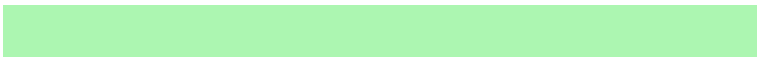
The Same Dimension uses a secret algorithm to generate beautiful new colors.



172, 246, 214



163, 255, 215



172, 241, 246



110, 122, 117



0, 186, 106



0, 59, 34

Inverse Universe

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



214, 172, 246



215, 163, 255



246, 172, 241



117, 110, 122



106, 0, 186



33, 0, 59

Previews

White Background



This preview shows how the RYB color 172, 246, 214 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, 246, 214 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

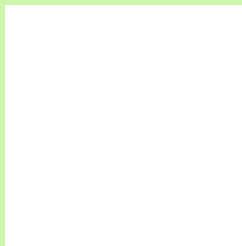
Any Text WCAG AAA ✓ Pass

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

RYB 172, 246, 214 Background



This preview shows how black text looks on a background with the RYB color 172, 246, 214.



This preview shows how white text looks on a background with the RYB color 172, 246, 214.

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





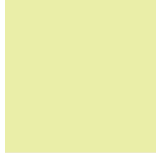
Tritanopia
216, 229, 254

Trichromacy



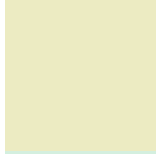
Original Color

172, 246, 214



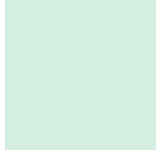
Protanomaly

168, 238, 172



Deuteranomaly

195, 236, 194



Tritanomaly

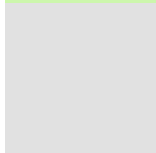
212, 231, 239

Monochromacy



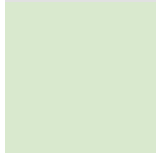
Original Color

172, 246, 214



Achromatopsia

225, 225, 225



Achromatomaly

206, 233, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 246, 214 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(204, 246, 172)` looks like.

```
.text, #text, p{  
    color:rgb(204, 246, 172)  
}
```

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(204, 246, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 246, 172) }
```

Border

The CSS property to change the border of an element to RYB 172, 246, 214 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(204, 246, 172) }
```

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

```
.border{ border-color:rgb(204, 246, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 246, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 246, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 246, 172);  
box-shadow:4px 4px 4px 4px rgb(204, 246,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 172, 246, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 246, 172) }
```

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

```
.background{ background-color: rgb(204,  
246, 172) }
```

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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