

Converting Colors

`RYB(204, 255, 230)`

Have a look what the booklet for
RYB(204, 255, 230) contains.

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Color

R_YB(204, 255, 230)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFCC
RGB	229, 255, 204
RGB Percent	90%, 100%, 80%
CMY	0.1020, 0.0000, 0.2000
CMYK	0.10, 0.00, 0.20, 0.00
HSL	91°, 100%, 90%
HSV	91°, 20%, 100%
XYZ	78.9722, 92.5376, 70.8260
YIQ	241.4120, 0.8750, -21.3730

Conversions

Conversions Part 2

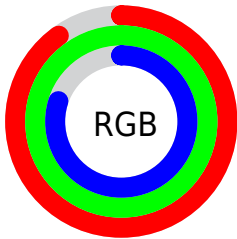
Format	Color
RYB	204, 255, 230
Decimal	15073228
CIELab	97.04, -17.18, 21.61
CIELCh	97, 27.607, 128.498
Yxy	92.5376, 0.3259, 0.3819
Android (android.graphics.Color)	4293263308 (0xFFE5FFCC)
YUV	241.4120, -18.4441, -10.8853
Hunter-Lab	96.1965, -21.8049, 23.6844

Details

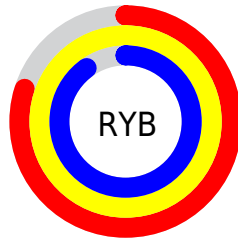
The RYB color **204, 255, 230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **230, 204, 255**, and the grayscale version is **242, 242, 242**.

A 20% lighter version of the original color is **255, 255, 255**, and **150, 198, 175** is the 20% darker color. If you saturate the color by 10%, you get **179, 255, 218**, and if you desaturate by 10%, it is **230, 255, 243**.

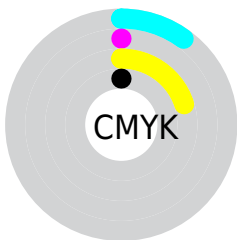
Distribution



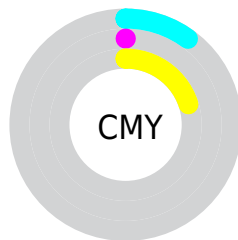
- Red (90%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 255, 230 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 204, 255, 230 by changing the saturation by 10% instead.

204, 255, 230

255, 255, 255

204, 255, 230

176, 226, 201

150, 198, 175

124, 171, 149

99, 144, 123

74, 119, 98

51, 94, 74

29, 70, 51

6, 48, 28

0, 28, 28

■ 204, 255, 230

■ 204, 255, 230

■ 179, 255, 218

■ 230, 255, 243

■ 153, 255, 205

255, 255, 255

■ 128, 255, 193

■ 102, 255, 180

■ 77, 255, 168

■ 51, 255, 155

■ 25, 255, 142

■ 0, 255, 130

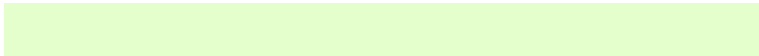
Harmonies

Analogous

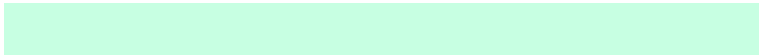
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



202, 255, 193



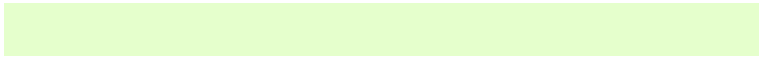
204, 255, 230



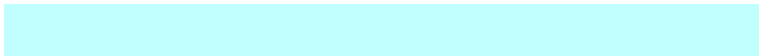
199, 237, 255

Triad

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



204, 255, 230



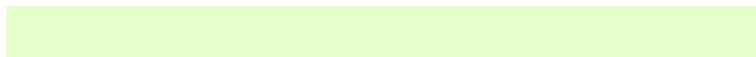
192, 224, 255



255, 227, 240

Complementary

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



204, 255, 230



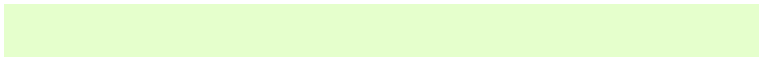
230, 204, 255

Split Complementary

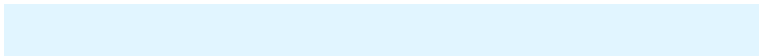
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 230, 255



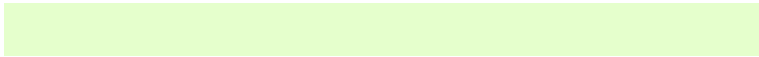
204, 255, 230



225, 237, 255

Square

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



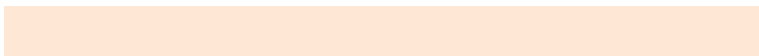
204, 255, 230



173, 214, 255



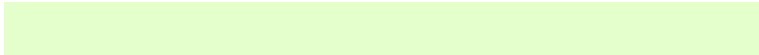
255, 237, 255



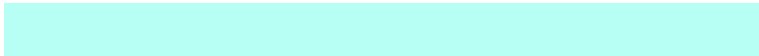
255, 243, 214

Rectangle

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



204, 255, 230



183, 222, 255



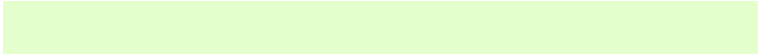
255, 237, 255



255, 228, 249

Sweetspot

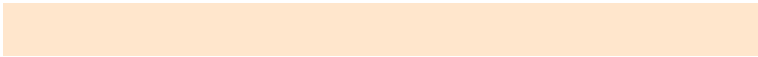
The Sweet Spot groups the original color and five complimentary colors.



204, 255, 230



240, 255, 248



253, 255, 204



119, 128, 124



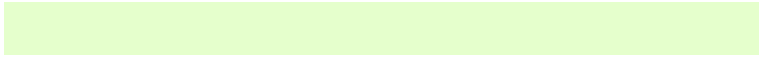
0, 0, 0



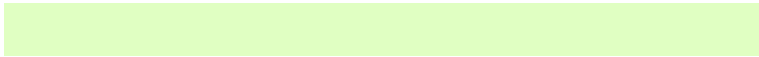
128, 128, 128

Same Dimension

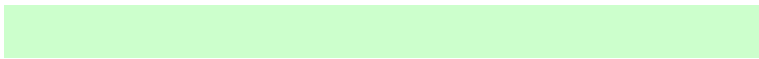
The Same Dimension uses a secret algorithm to generate beautiful new colors.



204, 255, 230



194, 255, 225



204, 255, 255



115, 128, 122



0, 191, 97



0, 64, 33

Inverse Universe

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



230, 204, 255



225, 194, 255



255, 204, 255



121, 115, 128



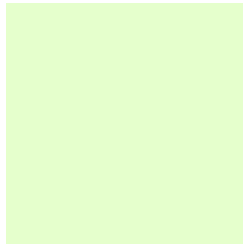
98, 0, 191



33, 0, 64

Previews

White Background



This preview shows how the RYB color 204, 255, 230 looks on a white background.

Color Contrast Check

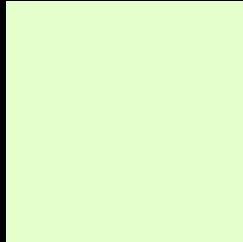
Large Text (above 18pt) WCAG AA × Fail

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 204, 255, 230 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

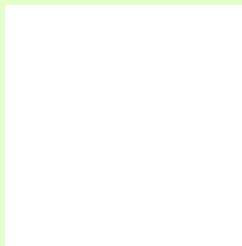
Any Text WCAG AAA ✓ Pass

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

RYB 204, 255, 230 Background



This preview shows how black text looks on a background with the RYB color 204, 255, 230.

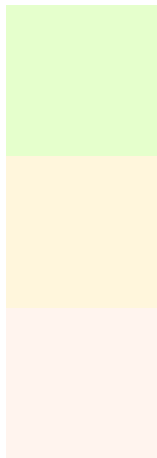


This preview shows how white text looks on a background with the RYB color 204, 255, 230.

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
204, 255, 230

Protanopia
232, 255, 220

Deuteranopia
255, 247, 238



Tritanopia

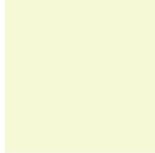
243, 245, 255

Trichromacy



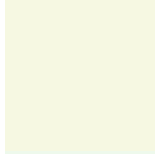
Original Color

204, 255, 230



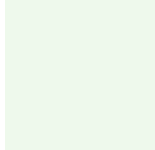
Protanomaly

214, 249, 217



Deuteranomaly

226, 248, 228



Tritanomaly

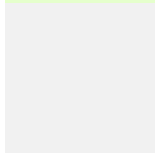
236, 249, 247

Monochromacy



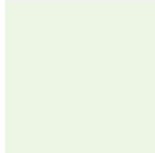
Original Color

204, 255, 230



Achromatopsia

241, 241, 241



Achromatomaly

228, 246, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 255, 230 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, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 204)  
}
```

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, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 204) }
```

Border

The CSS property to change the border of an element to RYB 204, 255, 230 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, 255, 204) }
```

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

```
.border{ border-color:rgb(229, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 204, 255, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 204) }
```

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

```
.background{ background-color: rgb(229,  
255, 204) }
```

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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