

Converting Colors

`RYB(205, 255, 222)`

Have a look what the booklet for
RYB(205, 255, 222) contains.

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Color

R_YB(205, 255, 222)

Conversions

Conversions Part 1

Format	Color
Hex	EEFFCD
RGB	238, 255, 205
RGB Percent	93%, 100%, 80%
CMY	0.0667, 0.0000, 0.1961
CMYK	0.07, 0.00, 0.20, 0.00
HSL	80°, 100%, 90%
HSV	80°, 20%, 100%
XYZ	82.0393, 94.1049, 71.5977
YIQ	244.2170, 5.9180, -19.1540

Conversions

Conversions Part 2

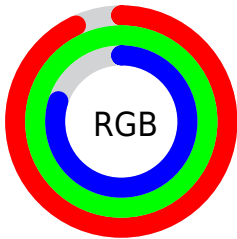
Format	Color
R_{YB}	205, 255, 222
Decimal	15663053
CIE _{Lab}	97.67, -13.91, 22.07
CIE _{LCh}	98, 26.091, 122.223
Yxy	94.1049, 0.3311, 0.3799
Android (android.graphics.Color)	4293853133 (0xFFEEFFCD)
YUV	244.2170, -19.3340, -5.4523
Hunter-Lab	97.0077, -18.8061, 24.1457

Details

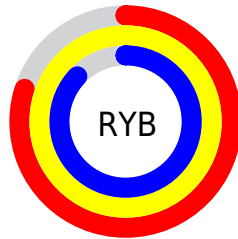
The RYB color **205, 255, 222** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **222, 205, 255**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **151, 198, 167** is the 20% darker color. If you saturate the color by 10%, you get **179, 255, 205**, and if you desaturate by 10%, it is **231, 255, 239**.

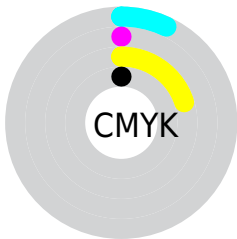
Distribution



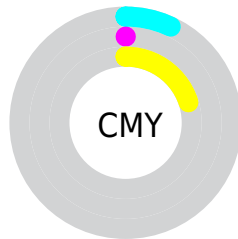
- Red (93%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 255, 222 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 205, 255, 222 by changing the saturation by 10% instead.

205, 255, 222

255, 255, 255

205, 255, 222

177, 226, 193

151, 198, 167

125, 171, 141

99, 144, 115

75, 119, 91

52, 94, 67

30, 70, 45

7, 48, 22

0, 28, 21

■ 205, 255, 222

■ 205, 255, 222

■ 179, 255, 205

■ 231, 255, 239

■ 154, 255, 188

255, 255, 255

■ 129, 255, 172

■ 103, 255, 155

■ 78, 255, 138

■ 52, 255, 121

■ 26, 255, 104

■ 1, 255, 87

■ 0, 255, 87

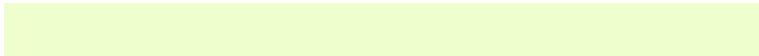
Harmonies

Analogous

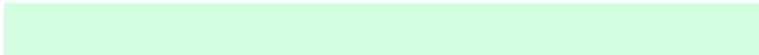
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



207, 255, 198



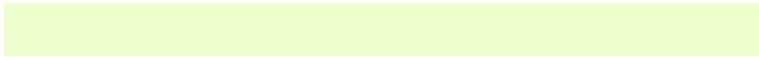
205, 255, 222



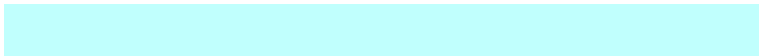
209, 244, 255

Triad

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



205, 255, 222



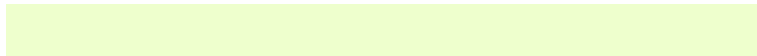
192, 224, 255



255, 230, 247

Complementary

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



205, 255, 222



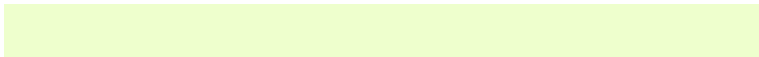
222, 205, 255

Split Complementary

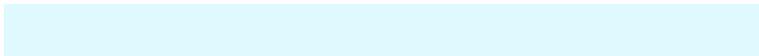
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 234, 255



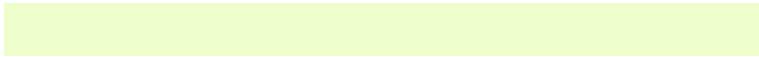
205, 255, 222



222, 237, 255

Square

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



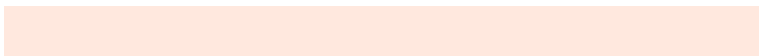
205, 255, 222



179, 217, 255



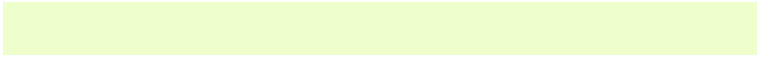
255, 241, 255



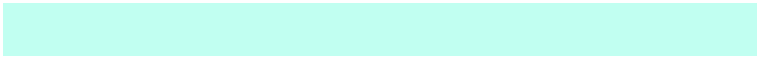
255, 236, 222

Rectangle

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



205, 255, 222



193, 228, 255



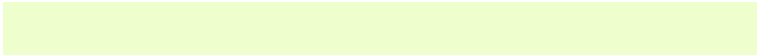
255, 241, 255



255, 231, 255

Sweetspot

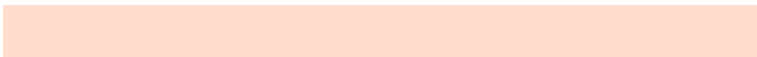
The Sweet Spot groups the original color and five complimentary colors.



205, 255, 222



240, 255, 245



255, 231, 205



119, 128, 123



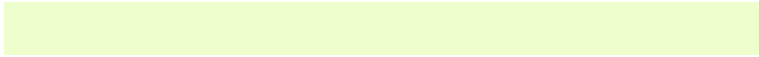
0, 0, 0



128, 128, 128

Same Dimension

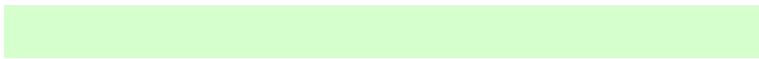
The Same Dimension uses a secret algorithm to generate beautiful new colors.



205, 255, 222



194, 255, 215



205, 255, 247



115, 128, 120



0, 191, 65



0, 64, 22

Inverse Universe

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



222, 205, 255



215, 194, 255



247, 205, 255



119, 115, 128



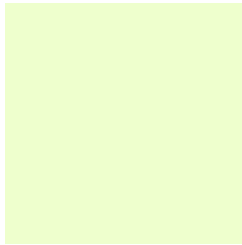
65, 0, 191



22, 0, 64

Previews

White Background



This preview shows how the RYB color 205, 255, 222 looks on a white background.

Color Contrast Check

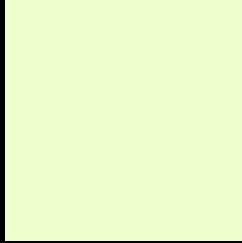
Large Text (above 18pt) WCAG AA × Fail

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 205, 255, 222 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

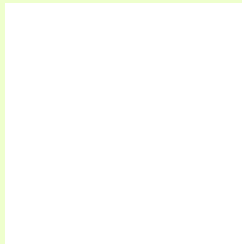
Any Text WCAG AAA ✓ Pass

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

RYB 205, 255, 222 Background



This preview shows how black text looks on a background with the RYB color 205, 255, 222.

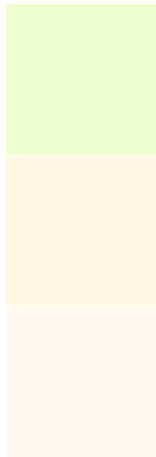


This preview shows how white text looks on a background with the RYB color 205, 255, 222.

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
205, 255, 222

Protanopia
237, 255, 228

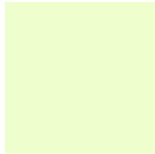
Deuteranopia
255, 250, 242



Tritanopia

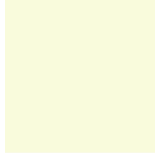
248, 248, 255

Trichromacy



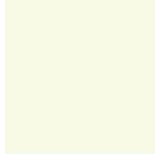
Original Color

205, 255, 222



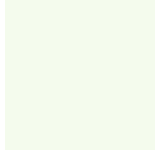
Protanomaly

220, 251, 222



Deuteranomaly

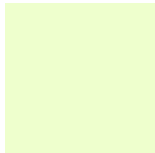
229, 250, 230



Tritanomaly

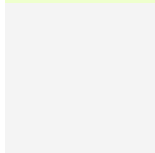
237, 251, 244

Monochromacy



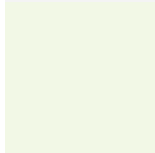
Original Color

205, 255, 222



Achromatopsia

244, 244, 244



Achromatomaly

230, 248, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 255, 222 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(238, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 205)  
}
```

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(238, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 205) }
```

Border

The CSS property to change the border of an element to RYB 205, 255, 222 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(238, 255, 205) }
```

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

```
.border{ border-color:rgb(238, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 205, 255, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 205) }
```

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

```
.background{ background-color: rgb(238,  
255, 205) }
```

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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