

# Converting Colors

`RYB(166, 242, 216)`

Have a look what the booklet for  
RYB(166, 242, 216) contains.

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# Color

**R<sub>Y</sub>B(166, 242, 216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F2A6
RGB	192, 242, 166
RGB Percent	75%, 95%, 65%
CMY	0.2471, 0.0510, 0.3490
CMYK	0.21, 0.00, 0.31, 0.05
HSL	99°, 75%, 80%
HSV	99°, 31%, 95%
XYZ	60.3733, 77.4639, 47.8464
YIQ	218.3860, -5.4040, -34.2360

# Conversions

## Conversions Part 2

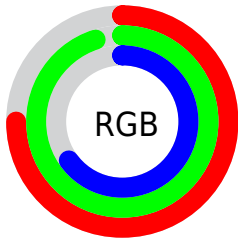
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 242, 216
Decimal	12645030
CIELab	90.53, -29.40, 31.63
CIElCh	91, 43.179, 132.905
Yxy	77.4639, 0.3251, 0.4172
Android (android.graphics.Color)	4290835110 (0xFFC0F2A6)
YUV	218.3860, -25.8263, -23.1405
Hunter-Lab	88.0136, -31.5809, 29.3780

# Details

The RYB color **166, 242, 216** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **216, 166, 242**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **222, 255, 228**, and **113, 186, 162** is the 20% darker color. If you saturate the color by 10%, you get **142, 242, 208**, and if you desaturate by 10%, it is **190, 242, 224**.

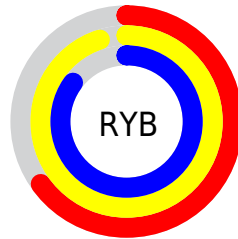
# Distribution



Red (75%)

Green (95%)

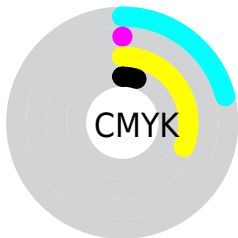
Blue (65%)



Red (65%)

Yellow (95%)

Blue (85%)

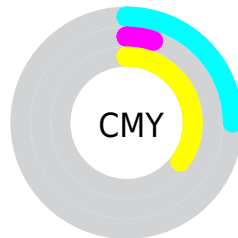


Cyan (21%)

Magenta (0%)

Yellow (31%)

Black (5%)



Cyan (25%)

Magenta (5%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 166, 242, 216 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 166, 242, 216 by changing the saturation by 10% instead.



 166, 242, 216

255, 255, 255


 222, 255, 228


 250, 255, 250


 166, 242, 216

 139, 213, 188

 113, 186, 162


 88, 159, 136

 64, 132, 111

 40, 107, 87

 17, 82, 64

 0, 59, 51

 0, 37, 37

 0, 4, 4

 166, 242, 216

 166, 242, 216

 142, 242, 208

 190, 242, 224

 118, 242, 200

 214, 242, 232

 93, 242, 191

 239, 242, 241

 69, 242, 183

 255, 242, 255

 45, 242, 175

 21, 242, 167

 0, 242, 159

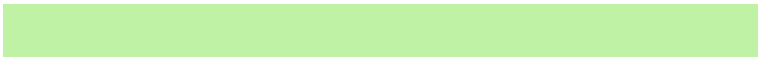
# Harmonies

## Analogous

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



154, 238, 146



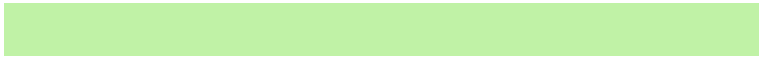
166, 242, 216



142, 211, 249

# Triad

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



166, 242, 216



132, 189, 255



255, 196, 211

# Complementary

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



166, 242, 216



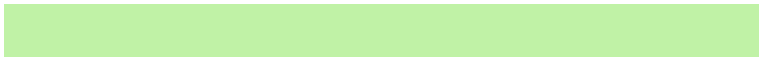
216, 166, 242

# Split Complementary

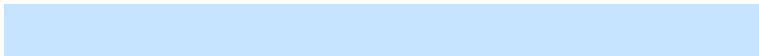
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 199, 253



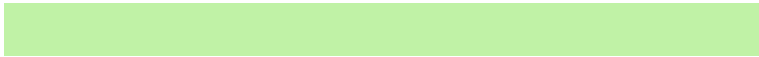
166, 242, 216



198, 217, 255

# Square

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



166, 242, 216



79, 165, 255



255, 211, 255



255, 223, 173

# Rectangle

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



166, 242, 216



107, 184, 250



255, 211, 255

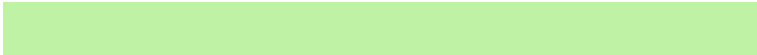


255, 196, 225



# Sweetspot

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



166, 242, 216



232, 255, 247



208, 242, 166



113, 128, 123



0, 0, 0



128, 128, 128

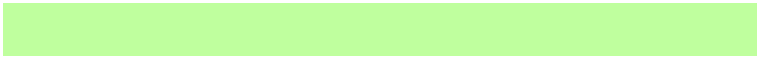


# Same Dimension

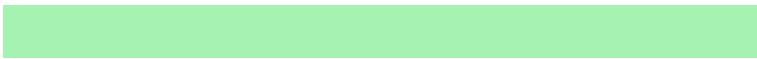
The Same Dimension uses a secret algorithm to generate beautiful new colors.



166, 242, 216



158, 255, 222



166, 232, 242



108, 120, 116



0, 184, 121



0, 56, 37



# Inverse Universe

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



216, 166, 242



222, 158, 255



242, 166, 231



116, 108, 120



121, 0, 184

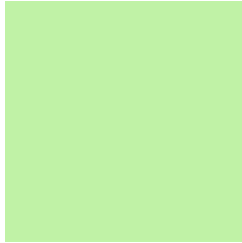


37, 0, 56



# Previews

## White Background



This preview shows how the RYB color 166, 242, 216 looks on a white background.

## Color Contrast Check

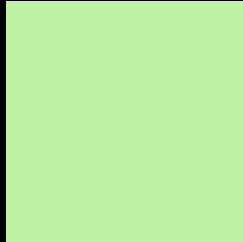
Large Text (above 18pt) WCAG AA × Fail

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 166, 242, 216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

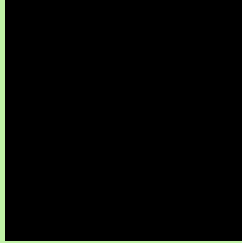
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **R/Y/B 166, 242, 216 Background**



This preview shows how black text looks on a background with the R/Y/B color 166, 242, 216.

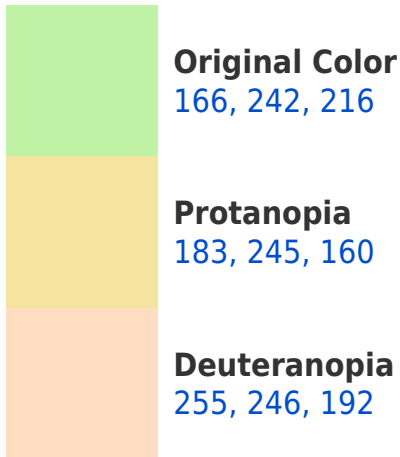


This preview shows how white text looks on a background with the R/Y/B color 166, 242, 216.

# 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**  
205, 221, 250

# Trichromacy



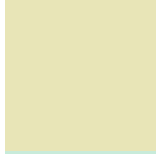
**Original Color**

166, 242, 216



**Protanomaly**

162, 232, 168



**Deuteranomaly**

186, 232, 183



**Tritanomaly**

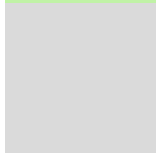
200, 223, 235

# Monochromacy



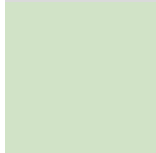
**Original Color**

166, 242, 216



**Achromatopsia**

218, 218, 218



**Achromatomaly**

199, 227, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 166, 242, 216 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(192, 242, 166)` looks like.

```
.text, #text, p{  
    color:rgb(192, 242, 166)  
}
```

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(192, 242, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 166) }
```

## Border

The CSS property to change the border of an element to RYB 166, 242, 216 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(192, 242, 166) }
```

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

```
.border{ border-color:rgb(192, 242, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 242, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
166) }
```

# Background

The CSS property to change the background color of an element to RYB 166, 242, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 166) }
```

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

```
.background{ background-color: rgb(192,  
242, 166) }
```

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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