

Converting Colors

`RYB(100, 248, 208)`

Have a look what the booklet for
RYB(100, 248, 208) contains.

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Color

R_YB(100, 248, 208)

Conversions

Conversions Part 1

Format	Color
Hex	8CF864
RGB	140, 248, 100
RGB Percent	55%, 97%, 39%
CMY	0.4510, 0.0275, 0.6078
CMYK	0.44, 0.00, 0.60, 0.03
HSL	104°, 91%, 68%
HSV	104°, 60%, 97%
XYZ	46.6829, 73.6304, 23.8082
YIQ	198.8360, -16.8600, -68.9240

Conversions

Conversions Part 2

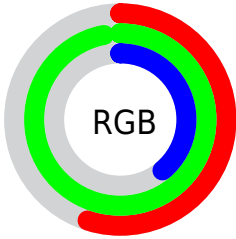
Format	Color
RYB	100, 248, 208
Decimal	9238628
CIELab	88.75, -57.00, 60.11
CIElCh	89, 82.839, 133.480
Yxy	73.6304, 0.3239, 0.5109
Android (android.graphics.Color)	4287428708 (0xFF8CF864)
YUV	198.8360, -48.7261, -51.5992
Hunter-Lab	85.8081, -53.0535, 43.6152

Details

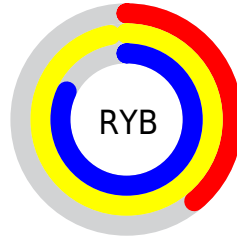
The RYB color **100, 248, 208** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **208, 100, 248**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **155, 255, 211**, and **43, 191, 154** is the 20% darker color. If you saturate the color by 10%, you get **75, 248, 201**, and if you desaturate by 10%, it is **125, 248, 215**.

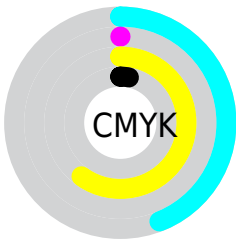
Distribution



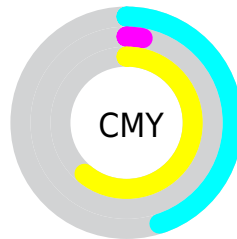
- Red (55%)
- Green (97%)
- Blue (39%)



- Red (39%)
- Yellow (97%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (60%)
- Black (3%)



- Cyan (45%)
- Magenta (3%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 248, 208 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 100, 248, 208 by changing the saturation by 10% instead.

 100, 248, 208

255, 255, 255

 155, 255, 211


 183, 255, 209

 212, 255, 212


 241, 255, 241


 100, 248, 208


 72, 219, 181

 43, 191, 154

 0, 163, 118

 0, 136, 136

 0, 110, 110

 0, 84, 84

 0, 60, 60

 0, 37, 37

 0, 0, 0

 100, 248, 208

 100, 248, 208

 75, 248, 201

 125, 248, 215

 50, 248, 194

 150, 248, 222

 26, 248, 188

 174, 248, 228

 1, 248, 181

 199, 248, 235

 0, 248, 181

 224, 248, 242

 249, 248, 249

 255, 248, 255

Harmonies

Analogous

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



47, 230, 47



100, 248, 208



0, 151, 255

Triad

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



100, 248, 208



0, 125, 255



255, 148, 190

Complementary

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



100, 248, 208



208, 100, 248

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, 155, 255



100, 248, 208



132, 183, 255

Square

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



100, 248, 208



0, 128, 255



255, 186, 255



255, 206, 117

Rectangle

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



100, 248, 208



0, 134, 255



255, 186, 255



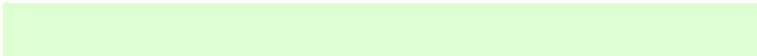
255, 146, 217

Sweetspot

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



100, 248, 208



209, 255, 242



159, 248, 100



99, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



100, 248, 208



71, 255, 205



100, 222, 248



112, 125, 121



0, 189, 138



0, 61, 44

Inverse Universe

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



208, 100, 248



205, 71, 255



248, 100, 216



122, 112, 125



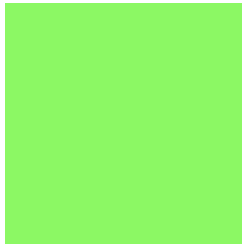
138, 0, 189



45, 0, 61

Previews

White Background



This preview shows how the RYB color 100, 248, 208 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 100, 248, 208 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

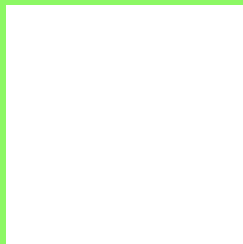
Any Text WCAG AAA ✓ Pass

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

RYB 100, 248, 208 Background



This preview shows how black text looks on a background with the RYB color 100, 248, 208.

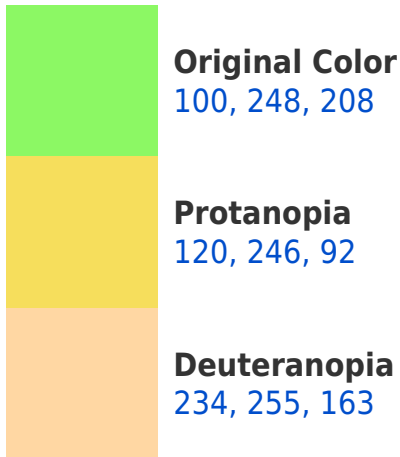



This preview shows how white text looks on a background with the RYB color 100, 248, 208.

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](#).

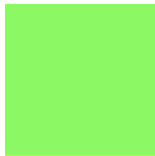
Dichromacy





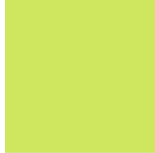
Tritanopia
166, 203, 251

Trichromacy



Original Color

100, 248, 208



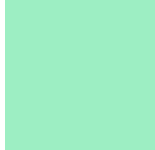
Protanomaly

95, 231, 119



Deuteranomaly

140, 227, 154



Tritanomaly

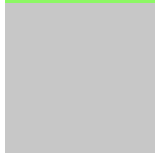
157, 212, 238

Monochromacy



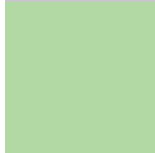
Original Color

100, 248, 208



Achromatopsia

199, 199, 199



Achromatomaly

163, 217, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 248, 208 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(140, 248, 100)` looks like.

```
.text, #text, p{  
    color:rgb(140, 248, 100)  
}
```

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(140, 248, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 248, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 248, 208 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(140, 248, 100) }
```

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

```
.border{ border-color:rgb(140, 248, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 248, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 248, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 248, 100);  
box-shadow:4px 4px 4px 4px rgb(140, 248,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 248, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 248, 100) }
```

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

```
.background{ background-color: rgb(140,  
248, 100) }
```

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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