

Converting Colors

`RYB(104, 210, 238)`

Have a look what the booklet for
RYB(104, 210, 238) contains.

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Color

R_YB(104, 210, 238)

Conversions

Conversions Part 1

Format	Color
Hex	68EE8B
RGB	104, 238, 139
RGB Percent	41%, 93%, 55%
CMY	0.5922, 0.0667, 0.4533
CMYK	0.56, 0.00, 0.41, 0.07
HSL	136°, 80%, 67%
HSV	136°, 56%, 93%
XYZ	40.9727, 65.9678, 35.1517
YIQ	186.6480, -48.0850, -59.1970

Conversions

Conversions Part 2

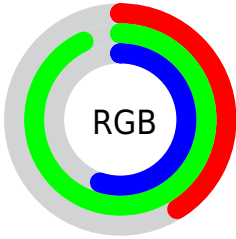
Format	Color
RYB	104, 210, 238
Decimal	6876811
CIELab	84.98, -57.55, 36.90
CIELCh	85, 68.366, 147.332
Yxy	65.9678, 0.2884, 0.4643
Android (android.graphics.Color)	4285066891 (0xFF68EE8B)
YUV	186.6480, -23.4905, -72.4823
Hunter-Lab	81.2206, -52.0896, 31.1941

Details

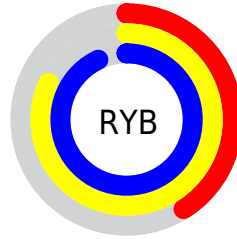
The RYB color **104, 210, 238** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **238, 104, 203**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **164, 233, 255**, and **31, 140, 181** is the 20% darker color. If you saturate the color by 10%, you get **80, 205, 238**, and if you desaturate by 10%, it is **128, 215, 238**.

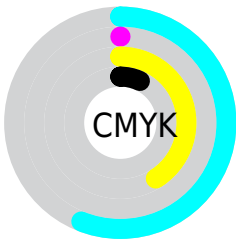
Distribution



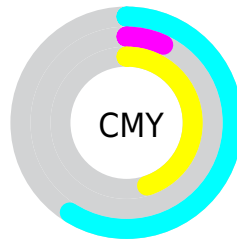
- Red (41%)
- Green (93%)
- Blue (55%)



- Red (41%)
- Yellow (82%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)



- Cyan (59%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 104, 210, 238 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 104, 210, 238 by changing the saturation by 10% instead.

 104, 210, 238


255, 255, 255


 164, 232, 255


 194, 236, 255

 224, 241, 255

 104, 210, 238

 72, 177, 209

 31, 140, 181

 0, 108, 153

 0, 98, 127

 0, 89, 100

 0, 75, 75

 0, 52, 52

 0, 26, 26

 0, 0, 0

■ 104, 210, 238

■ 104, 210, 238

■ 80, 205, 238

■ 128, 215, 238

■ 56, 200, 238

■ 152, 220, 238

■ 33, 195, 238

■ 175, 225, 238

■ 9, 190, 238

■ 199, 230, 238

■ 0, 188, 238

■ 223, 235, 238

■ 247, 238, 244

■ 255, 238, 255

Harmonies

Analogous

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



90, 226, 127



104, 210, 238



0, 133, 244

Triad

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



104, 210, 238



20, 128, 255



255, 161, 157

Complementary

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



104, 210, 238



238, 104, 203

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, 221



104, 210, 238



205, 198, 255

Square

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



104, 210, 238



0, 123, 255



255, 171, 255



242, 255, 104

Rectangle

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



104, 210, 238



0, 123, 249



255, 171, 255



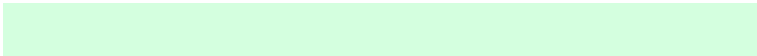
255, 156, 177

Sweetspot

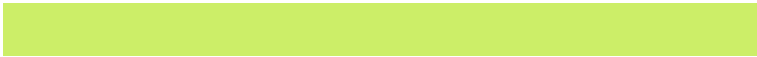
The Sweet Spot groups the original color and five complimentary colors.



104, 210, 238



212, 246, 255



104, 238, 138



102, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



104, 210, 238



82, 219, 255



104, 181, 238



108, 118, 120



0, 146, 184



0, 44, 56

Inverse Universe

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



238, 104, 203



255, 82, 209



238, 104, 137



120, 108, 117



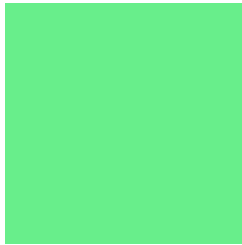
184, 0, 135



56, 0, 41

Previews

White Background



This preview shows how the RYB color 104, 210, 238 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 104, 210, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

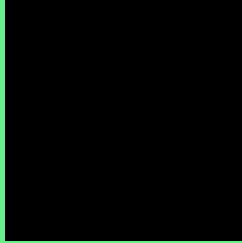
Any Text WCAG AA ✓ Pass

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 104, 210, 238 Background



This preview shows how black text looks on a background with the RYB color 104, 210, 238.

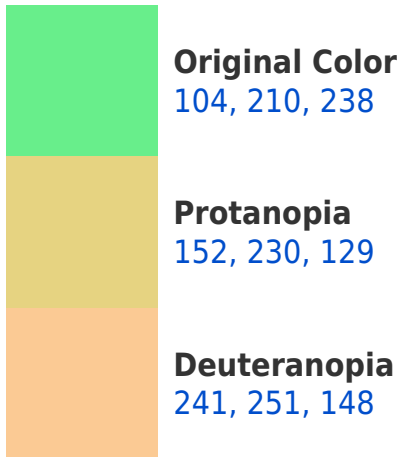



This preview shows how white text looks on a background with the RYB color 104, 210, 238.

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





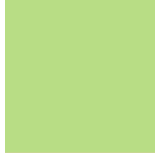
Tritanopia
132, 183, 244

Trichromacy



Original Color

104, 210, 238



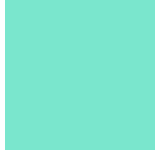
Protanomaly

133, 221, 170



Deuteranomaly

145, 215, 162



Tritanomaly

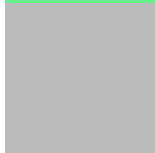
122, 183, 230

Monochromacy



Original Color

104, 210, 238



Achromatopsia

187, 187, 187



Achromatomaly

157, 196, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 104, 210, 238 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(104, 238, 139)` looks like.

```
.text, #text, p{  
    color:rgb(104, 238, 139)  
}
```

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(104, 238, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 238, 139) }
```

Border

The CSS property to change the border of an element to RYB 104, 210, 238 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(104, 238, 139) }
```

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

```
.border{ border-color:rgb(104, 238, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 238, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 238, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 238, 139);  
box-shadow:4px 4px 4px 4px rgb(104, 238,  
139) }
```

Background

The CSS property to change the background color of an element to RYB 104, 210, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 238, 139) }
```

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

```
.background{ background-color: rgb(104,  
238, 139) }
```

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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