

Converting Colors

`RYB(110, 255, 200)`

Have a look what the booklet for
RYB(110, 255, 200) contains.

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Color

R_YB(110, 255, 200)

Conversions

Conversions Part 1

Format	Color
Hex	A5FF6E
RGB	165, 255, 110
RGB Percent	65%, 100%, 43%
CMY	0.3529, 0.0000, 0.5686
CMYK	0.35, 0.00, 0.57, 0.00
HSL	97°, 100%, 72%
HSV	97°, 57%, 100%
XYZ	54.0915, 80.6451, 27.4670
YIQ	211.5600, -7.0950, -64.1750

Conversions

Conversions Part 2

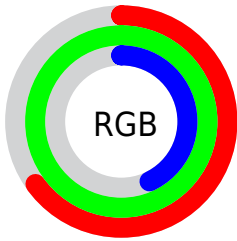
Format	Color
RYB	110, 255, 200
Decimal	10878830
CIELab	91.97, -51.05, 59.79
CIELCh	92, 78.622, 130.493
Yxy	80.6451, 0.3335, 0.4972
Android (android.graphics.Color)	4289068910 (0xFFA5FF6E)
YUV	211.5600, -50.0691, -40.8331
Hunter-Lab	89.8026, -49.6373, 44.7274

Details

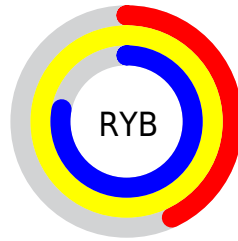
The RYB color **110, 255, 200** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **200, 110, 255**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **165, 255, 196**, and **55, 198, 146** is the 20% darker color. If you saturate the color by 10%, you get **85, 255, 191**, and if you desaturate by 10%, it is **136, 255, 210**.

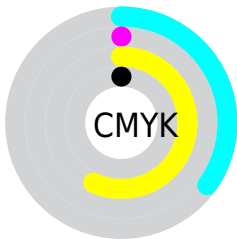
Distribution



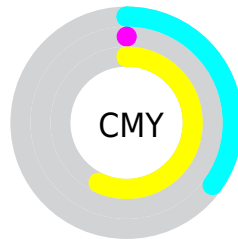
- Red (65%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 110, 255, 200 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 110, 255, 200 by changing the saturation by 10% instead.

 110, 255, 200

255, 255, 255


 165, 255, 196

 194, 255, 195


 223, 255, 223


 252, 255, 252

 110, 255, 200


 83, 226, 173

 55, 198, 146

 21, 170, 113


 0, 143, 97

 0, 117, 117

 0, 91, 91

 0, 66, 66

 0, 45, 45

 0, 13, 13

■ 110, 255, 200

■ 110, 255, 200

■ 85, 255, 191

■ 136, 255, 210

■ 59, 255, 181

■ 161, 255, 219

■ 33, 255, 170

■ 187, 255, 230

■ 8, 255, 161

■ 212, 255, 239

■ 0, 255, 158

■ 238, 255, 249

255, 255, 255

Harmonies

Analogous

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



81, 248, 69



110, 255, 200



0, 150, 255

Triad

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



110, 255, 200



0, 127, 255



255, 162, 208

Complementary

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



110, 255, 200



200, 110, 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, 172, 255



110, 255, 200



134, 188, 255

Square

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



110, 255, 200



0, 128, 255



255, 201, 255



255, 207, 137

Rectangle

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



110, 255, 200



0, 134, 255



255, 201, 255



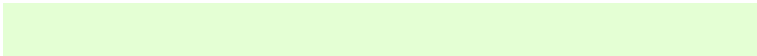
255, 162, 234

Sweetspot

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



110, 255, 200



212, 255, 239



201, 255, 110



102, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



110, 255, 200



82, 255, 190



110, 240, 255



115, 128, 123



0, 191, 118



0, 64, 40

Inverse Universe

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



200, 110, 255



189, 82, 255



255, 110, 238



123, 115, 128



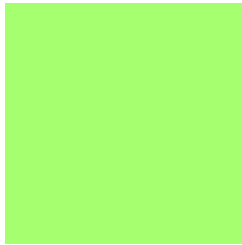
119, 0, 191



40, 0, 64

Previews

White Background



This preview shows how the RYB color 110, 255, 200 looks on a white background.

Color Contrast Check

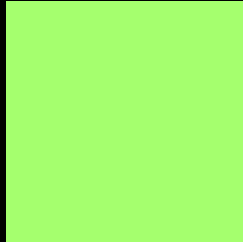
Large Text (above 18pt) WCAG AA × Fail

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 110, 255, 200 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

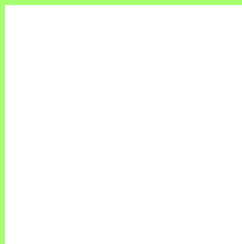
Any Text WCAG AAA ✓ Pass

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

RYB 110, 255, 200 Background



This preview shows how black text looks on a background with the RYB color 110, 255, 200.

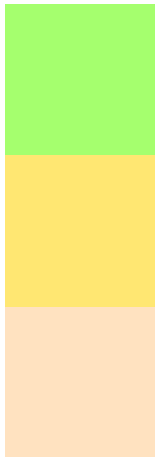


This preview shows how white text looks on a background with the RYB color 110, 255, 200.

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
110, 255, 200

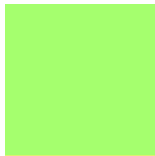
Protanopia
143, 255, 114

Deuteranopia
246, 255, 192



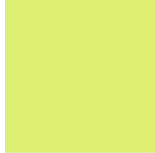
Tritanopia
195, 220, 255

Trichromacy



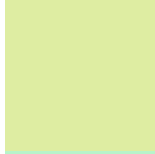
Original Color

110, 255, 200



Protanomaly

113, 240, 131



Deuteranomaly

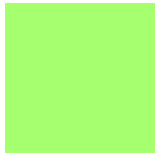
162, 237, 177



Tritanomaly

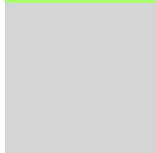
184, 230, 244

Monochromacy



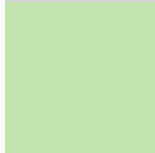
Original Color

110, 255, 200



Achromatopsia

212, 212, 212



Achromatomaly

175, 228, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 110, 255, 200 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(165, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 110)  
}
```

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(165, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 110) }
```

Border

The CSS property to change the border of an element to RYB 110, 255, 200 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(165, 255, 110) }
```

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

```
.border{ border-color:rgb(165, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 110, 255, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 110) }
```

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

```
.background{ background-color: rgb(165,  
255, 110) }
```

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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