

Converting Colors

`RYB(110, 217, 240)`

Have a look what the booklet for
RYB(110, 217, 240) contains.

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Color

R_YB(110, 217, 240)

Conversions

Conversions Part 1

Format	Color
Hex	6EF08A
RGB	110, 240, 138
RGB Percent	43%, 94%, 54%
CMY	0.5686, 0.0588, 0.4590
CMYK	0.54, 0.00, 0.43, 0.06
HSL	133°, 81%, 69%
HSV	133°, 54%, 94%
XYZ	42.1739, 67.4685, 34.8234
YIQ	189.5020, -44.7380, -59.2820

Conversions

Conversions Part 2

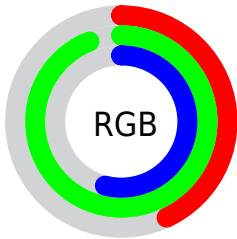
Format	Color
RYB	110, 217, 240
Decimal	7270538
CIELab	85.74, -57.17, 38.64
CIELCh	86, 69.005, 145.946
Yxy	67.4685, 0.2919, 0.4670
Android (android.graphics.Color)	4285460618 (0xFF6EF08A)
YUV	189.5020, -25.3905, -69.7233
Hunter-Lab	82.1392, -52.0939, 32.3611

Details

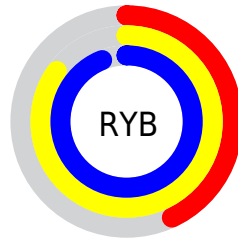
The RYB color **110, 217, 240** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **240, 110, 212**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **170, 237, 255**, and **42, 149, 183** is the 20% darker color. If you saturate the color by 10%, you get **86, 213, 240**, and if you desaturate by 10%, it is **134, 221, 240**.

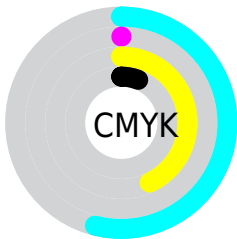
Distribution



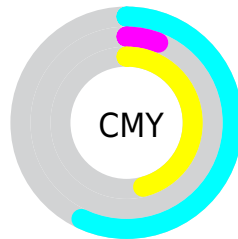
- Red (43%)
- Green (94%)
- Blue (54%)



- Red (43%)
- Yellow (85%)
- Blue (94%)



- Cyan (54%)
- Magenta (0%)
- Yellow (43%)
- Black (6%)



- Cyan (57%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 110, 217, 240 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, 217, 240 by changing the saturation by 10% instead.

 110, 217, 240


255, 255, 255

 170, 238, 255


 200, 240, 255

 230, 244, 255

 110, 217, 240

 79, 185, 211

 42, 149, 183

 0, 111, 155

 0, 100, 128

 0, 95, 102

 0, 77, 77

 0, 53, 53

 0, 28, 28

 0, 0, 0

■ 110, 217, 240

■ 110, 217, 240

■ 86, 213, 240

■ 134, 221, 240

■ 62, 209, 240

■ 158, 225, 240

■ 38, 205, 240

■ 182, 230, 240

■ 14, 200, 240

■ 206, 234, 240

■ 0, 197, 240

■ 230, 238, 240

■ 254, 240, 251

■ 255, 240, 255

Harmonies

Analogous

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



89, 228, 123



110, 217, 240



0, 135, 246

Triad

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



110, 217, 240



0, 119, 255



255, 161, 161

Complementary

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



110, 217, 240



240, 110, 212

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, 157, 226



110, 217, 240



202, 201, 255

Square

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



110, 217, 240



0, 123, 255



255, 174, 255



247, 255, 107

Rectangle

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



110, 217, 240



0, 124, 248



255, 174, 255



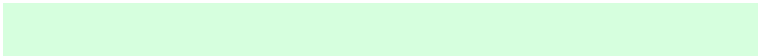
255, 157, 182

Sweetspot

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



110, 217, 240



214, 248, 255



110, 240, 136



103, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



110, 217, 240



89, 225, 255



110, 186, 240



108, 118, 120



0, 152, 184



0, 46, 56

Inverse Universe

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



240, 110, 212



255, 89, 219



240, 110, 149



120, 108, 117



184, 0, 144



56, 0, 44

Previews

White Background



This preview shows how the RYB color 110, 217, 240 looks on a white background.

Color Contrast Check

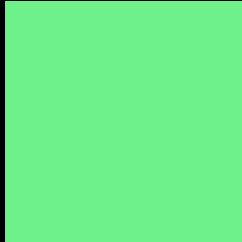
Large Text (above 18pt) WCAG AA × Fail

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, 217, 240 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

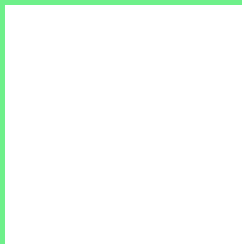
Any Text WCAG AAA ✓ Pass

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

RYB 110, 217, 240 Background



This preview shows how black text looks on a background with the RYB color 110, 217, 240.

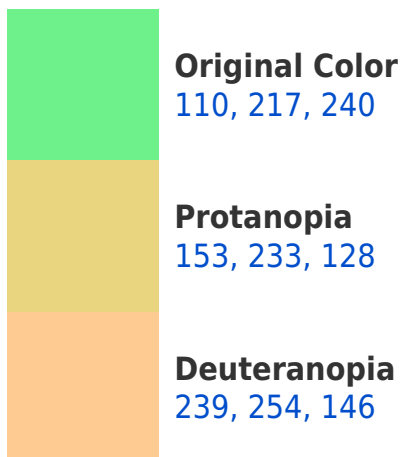



This preview shows how white text looks on a background with the RYB color 110, 217, 240.

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
137, 186, 246

Trichromacy



Original Color

110, 217, 240



Protanomaly

132, 223, 167



Deuteranomaly

143, 217, 158



Tritanomaly

127, 187, 232

Monochromacy



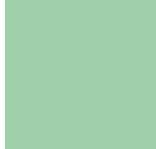
Original Color

110, 217, 240



Achromatopsia

189, 189, 189



Achromatomaly

160, 200, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 110, 217, 240 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(110, 240, 138)` looks like.

```
.text, #text, p{  
    color:rgb(110, 240, 138)  
}
```

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(110, 240, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 240, 138) }
```

Border

The CSS property to change the border of an element to RYB 110, 217, 240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

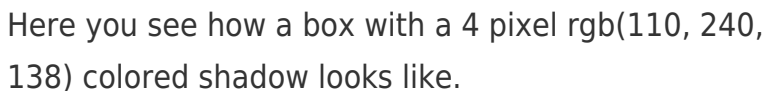
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 240, 138) }
```

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

```
.border{ border-color:rgb(110, 240, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 240, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 240, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 240, 138); box-shadow:4px 4px 4px 4px rgb(110, 240, 138) }
```

Background

The CSS property to change the background color of an element to RGB 110, 217, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 240, 138) }
```

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

```
.background{ background-color: rgb(110,  
240, 138) }
```

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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