

Converting Colors

`RYB(120, 245, 132)`

Have a look what the booklet for
RYB(120, 245, 132) contains.

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Color

R_YB(120, 245, 132)

Conversions

Conversions Part 1

Format	Color
Hex	E9F578
RGB	233, 245, 120
RGB Percent	91%, 96%, 47%
CMY	0.0863, 0.0392, 0.5294
CMYK	0.05, 0.00, 0.51, 0.04
HSL	66°, 86%, 72%
HSV	66°, 51%, 96%
XYZ	69.6468, 83.9845, 30.3092
YIQ	227.1620, 32.9730, -41.4190

Conversions

Conversions Part 2

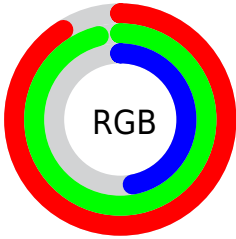
Format	Color
RYB	120, 245, 132
Decimal	15332728
CIELab	93.44, -20.97, 58.11
CIELCh	93, 61.776, 109.841
Yxy	83.9845, 0.3786, 0.4566
Android (android.graphics.Color)	4293522808 (0xFFE9F578)
YUV	227.1620, -52.8309, 5.1199
Hunter-Lab	91.6431, -24.7190, 44.5411

Details

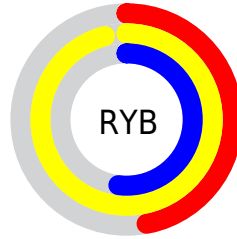
The RYB color **120, 245, 132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **132, 120, 245**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **175, 255, 175**, and **66, 189, 80** is the 20% darker color. If you saturate the color by 10%, you get **96, 245, 110**, and if you desaturate by 10%, it is **145, 245, 155**.

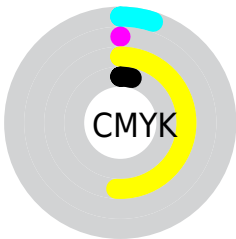
Distribution



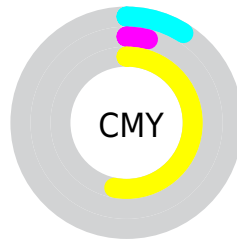
- Red (91%)
- Green (96%)
- Blue (47%)



- Red (47%)
- Yellow (96%)
- Blue (52%)



- Cyan (5%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 245, 132 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 120, 245, 132 by changing the saturation by 10% instead.

 120, 245, 132

255, 255, 255

 175, 255, 175

 203, 255, 203


 232, 255, 232


 120, 245, 132


 93, 217, 106

 66, 189, 80

 38, 162, 53

 0, 136, 17

 0, 110, 18

 0, 86, 19

 0, 63, 23

 0, 41, 28

 0, 20, 20

120, 245, 132

120, 245, 132

96, 245, 110

145, 245, 155

71, 245, 88

169, 245, 176

47, 245, 66

194, 245, 199

22, 245, 43

218, 245, 221

0, 245, 24

243, 245, 243

247, 245, 255

249, 245, 255

252, 245, 255

254, 245, 255

Harmonies

Analogous

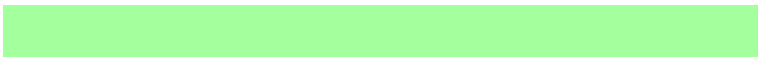
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



154, 255, 117



120, 245, 132



157, 255, 248

Triad

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



120, 245, 132



0, 128, 255



255, 189, 255

Complementary

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



120, 245, 132



132, 120, 245

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, 205, 255



120, 245, 132



73, 162, 255

Square

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



120, 245, 132



0, 128, 255



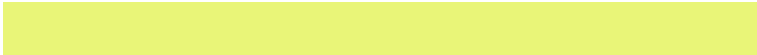
209, 222, 255



255, 189, 199

Rectangle

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



120, 245, 132



103, 198, 255



209, 222, 255



255, 193, 255

Sweetspot

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



120, 245, 132



217, 255, 221



245, 131, 120



105, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



120, 245, 132



99, 255, 114



120, 245, 193



110, 122, 111



0, 186, 18



0, 59, 6

Inverse Universe

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



132, 120, 245



114, 99, 255



193, 120, 245



111, 110, 122



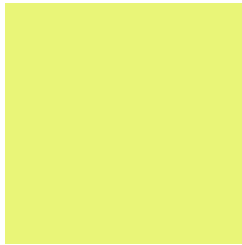
18, 0, 186



6, 0, 59

Previews

White Background



This preview shows how the RYB color 120, 245, 132 looks on a white background.

Color Contrast Check

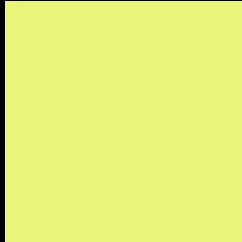
Large Text (above 18pt) WCAG AA × Fail

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 120, 245, 132 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](#).

RYP 120, 245, 132 Background



This preview shows how black text looks on a background with the RYP color 120, 245, 132.


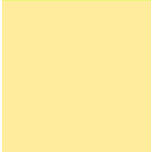
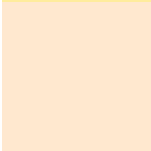


This preview shows how white text looks on a background with the RYP color 120, 245, 132.

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](#).

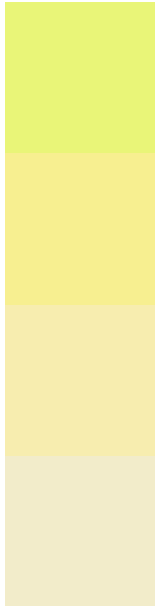
Dichromacy

	Original Color 120, 245, 132
	Protanopia 181, 255, 157
	Deuteranopia 251, 255, 207



Tritanopia
247, 231, 249

Trichromacy



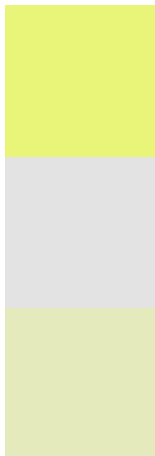
Original Color
120, 245, 132

Protanomaly
153, 247, 144

Deuteranomaly
187, 247, 175

Tritanomaly
209, 242, 202

Monochromacy



Original Color
120, 245, 132

Achromatopsia
227, 227, 227

Achromatomaly
188, 234, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 245, 132 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(233, 245, 120)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 120)  
}
```

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(233, 245, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 245, 132 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(233, 245, 120) }
```

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

```
.border{ border-color:rgb(233, 245, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 245, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 245, 120); box-shadow:4px 4px 4px 4px rgb(233, 245, 120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 245, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 120) }
```

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

```
.background{ background-color: rgb(233,  
245, 120) }
```

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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