

Converting Colors

`RYB(209, 239, 120)`

Have a look what the booklet for
RYB(209, 239, 120) contains.

RYB(209, 239, 120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(209, 239, 120)$

Conversions

Conversions Part 1

Format	Color
Hex	EFBC78
RGB	239, 188, 120
RGB Percent	94%, 74%, 47%
CMY	0.0627, 0.2624, 0.5294
CMYK	0.00, 0.21, 0.50, 0.06
HSL	34°, 79%, 70%
HSV	34°, 50%, 94%
XYZ	56.9875, 55.7082, 25.5185
YIQ	195.4970, 52.2240, -10.3360

Conversions

Conversions Part 2

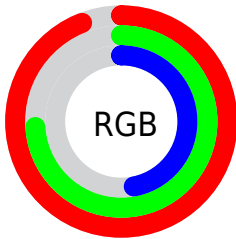
Format	Color
R_{YB}	209, 239, 120
Decimal	15711352
CIE _{Lab}	79.45, 10.20, 41.26
CIE _{LCh}	79, 42.499, 76.107
Yxy	55.7082, 0.4123, 0.4031
Android (android.graphics.Color)	4293901432 (0xFFEFBC78)
YUV	195.4970, -37.2200, 38.1521
Hunter-Lab	74.6379, 5.6718, 31.9754

Details

The RYB color **209, 239, 120** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **120, 156, 239**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **186, 255, 173**, and **149, 181, 70** is the 20% darker color. If you saturate the color by 10%, you get **202, 239, 96**, and if you desaturate by 10%, it is **216, 239, 144**.

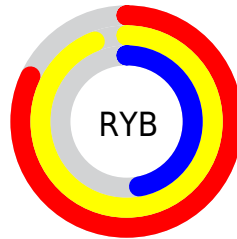
Distribution



Red (94%)

Green (74%)

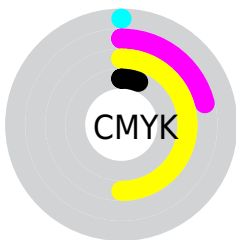
Blue (47%)



Red (82%)

Yellow (94%)

Blue (47%)

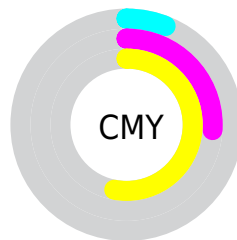


Cyan (0%)

Magenta (21%)

Yellow (50%)

Black (6%)



Cyan (6%)

Magenta (26%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 209, 239, 120 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 209, 239, 120 by changing the saturation by 10% instead.

 209, 239, 120

 209, 239, 120

255, 255, 255

 176, 209, 94

 186, 255, 173

 149, 181, 70

 201, 255, 201

 114, 152, 45

 229, 255, 229

 84, 124, 21

 55, 97, 0

 55, 71, 0

 45, 36, 0

 18, 0, 0

 0, 0, 0

209, 239, 120

209, 239, 120

202, 239, 96

216, 239, 144

196, 239, 72

220, 239, 168

192, 239, 48

227, 239, 192

185, 239, 24

234, 239, 216

180, 239, 1

239, 239, 239

178, 239, 0

239, 245, 255

239, 247, 255

Harmonies

Analogous

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



255, 189, 141



209, 239, 120



120, 202, 119

Triad

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



209, 239, 120



44, 131, 218



228, 179, 252

Complementary

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



209, 239, 120



120, 156, 239

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.



174, 189, 255



209, 239, 120



29, 131, 253

Square

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



209, 239, 120



106, 174, 217



106, 166, 255



255, 168, 217

Rectangle

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



209, 239, 120



131, 208, 167



106, 166, 255



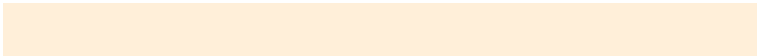
212, 184, 255

Sweetspot

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



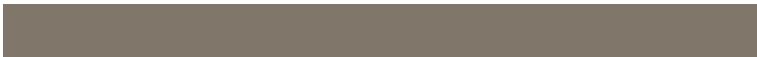
209, 239, 120



245, 255, 217



239, 120, 172



123, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



209, 239, 120



215, 255, 102



120, 239, 128



117, 120, 108



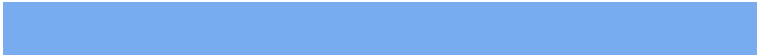
138, 184, 0



42, 56, 0

Inverse Universe

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



120, 156, 239



102, 148, 255



128, 120, 239



108, 112, 120



0, 55, 184



0, 17, 56

Previews

White Background



This preview shows how the RYB color 209, 239, 120 looks on a white background.

Color Contrast Check

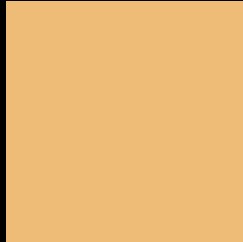
Large Text (above 18pt) WCAG AA × Fail

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 209, 239, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

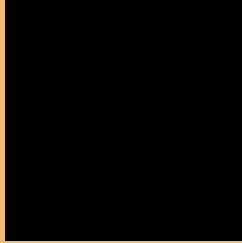
Any Text WCAG AA ✓ Pass

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 209, 239, 120 Background



This preview shows how black text looks on a background with the RYB color 209, 239, 120.



This preview shows how white text looks on a background with the RYB color 209, 239, 120.

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
209, 239, 120

Protanopia
145, 215, 123

Deuteranopia
209, 239, 120



Tritanopia
246, 179, 193

Trichromacy



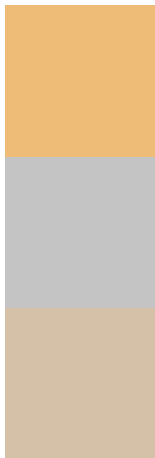
Original Color
209, 239, 120

Protanomaly
165, 224, 122

Deuteranomaly
209, 239, 120

Tritanomaly
243, 186, 166

Monochromacy



Original Color
209, 239, 120

Achromatopsia
196, 196, 196

Achromatomaly
201, 212, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 239, 120 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(239, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(239, 188, 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(239, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 188, 120) }
```

Border

The CSS property to change the border of an element to RYB 209, 239, 120 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(239, 188, 120) }
```

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

```
.border{ border-color:rgb(239, 188, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 188, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(239, 188,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 209, 239, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 188, 120) }
```

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

```
.background{ background-color: rgb(239,  
188, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor