

Converting Colors

`RYB(154, 240, 145)`

Have a look what the booklet for
RYB(154, 240, 145) contains.

RYB(154, 240, 145)	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

R_YB(154, 240, 145)

Conversions

Conversions Part 1

Format	Color
Hex	F0E891
RGB	240, 232, 145
RGB Percent	94%, 91%, 57%
CMY	0.0588, 0.0911, 0.4314
CMYK	0.00, 0.03, 0.40, 0.06
HSL	55°, 76%, 75%
HSV	55°, 40%, 94%
XYZ	69.8404, 78.1584, 38.1932
YIQ	224.4740, 32.6950, -25.3610

Conversions

Conversions Part 2

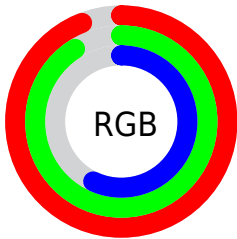
Format	Color
RYB	154, 240, 145
Decimal	15788177
CIELab	90.85, -9.38, 43.18
CIElCh	91, 44.185, 102.256
Yxy	78.1584, 0.3751, 0.4198
Android (android.graphics.Color)	4293978257 (0xFFFF0E891)
YUV	224.4740, -39.1807, 13.6163
Hunter-Lab	88.4072, -13.7003, 36.2710

Details

The RYB color **154, 240, 145** is a light color, and the websafe version is hex **FFFF99**, and the color name is **green-yellow (crayola)**. A complement of this color would be **145, 152, 240**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **200, 255, 200**, and **99, 183, 93** is the 20% darker color. If you saturate the color by 10%, you get **132, 240, 121**, and if you desaturate by 10%, it is **176, 240, 169**.

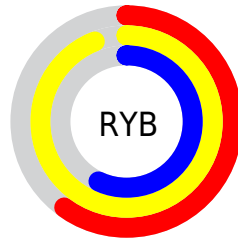
Distribution



Red (94%)

Green (91%)

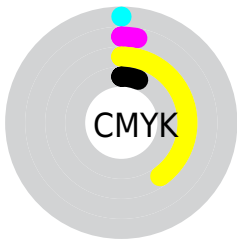
Blue (57%)



Red (60%)

Yellow (94%)

Blue (57%)

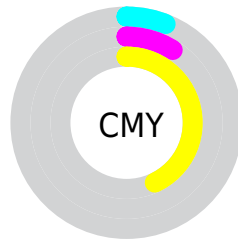


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (6%)



Cyan (6%)

Magenta (9%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 154, 240, 145 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 154, 240, 145 by changing the saturation by 10% instead.

 154, 240, 145


255, 255, 255

 200, 255, 200

 228, 255, 228

 154, 240, 145

 127, 211, 119

 101, 183, 93

 73, 155, 68

 47, 128, 43

 18, 101, 16

 0, 75, 0

 0, 53, 2

 0, 32, 6


 0, 6, 6

 154, 240, 145

 154, 240, 145

 132, 240, 121

 176, 240, 169

 110, 240, 97

 197, 240, 193

 88, 240, 73


 219, 240, 217

 68, 240, 49

 240, 240, 241

 46, 240, 25

 240, 242, 255

 24, 240, 1

 240, 243, 255

 23, 240, 0

 240, 244, 255

 240, 245, 255

 240, 246, 255

Harmonies

Analogous

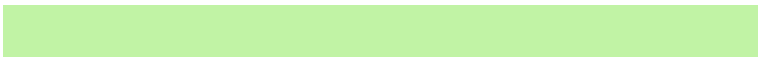
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



206, 255, 149



154, 240, 145



165, 243, 215

Triad

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



154, 240, 145



72, 162, 255



255, 199, 255

Complementary

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



154, 240, 145



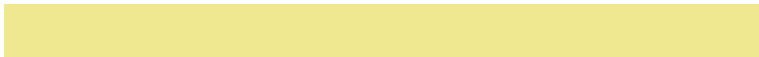
145, 152, 240

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, 212, 255



154, 240, 145



128, 188, 255

Square

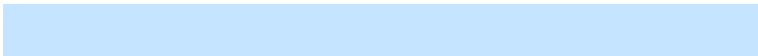
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



154, 240, 145



88, 172, 252



197, 217, 255



255, 196, 213

Rectangle

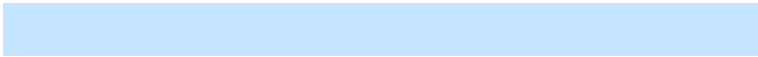
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



154, 240, 145



159, 226, 248



197, 217, 255



255, 203, 255

Sweetspot

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



154, 240, 145



227, 255, 224



240, 145, 155



112, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



154, 240, 145



145, 255, 133



145, 240, 183



109, 120, 108



18, 184, 0



5, 56, 0

Inverse Universe

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



145, 152, 240



133, 142, 255



183, 145, 240



108, 109, 120



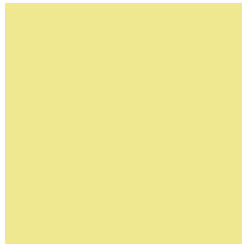
0, 15, 184



0, 5, 56

Previews

White Background



This preview shows how the RYB color 154, 240, 145 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 154, 240, 145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

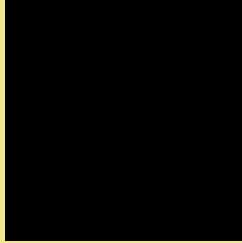
Any Text WCAG AA ✓ Pass

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 154, 240, 145 Background



This preview shows how black text looks on a background with the RYB color 154, 240, 145.

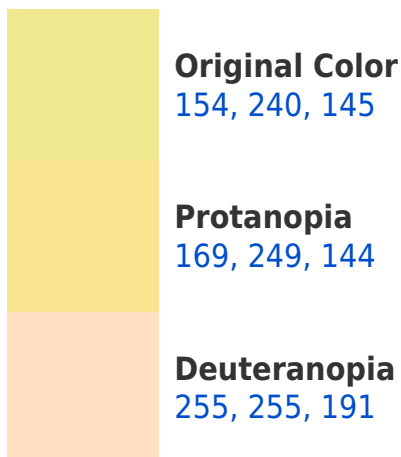


This preview shows how white text looks on a background with the RYB color 154, 240, 145.

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](#).

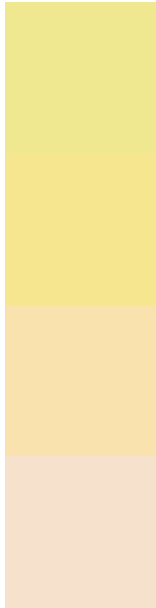
Dichromacy





Tritanopia
250, 221, 238

Trichromacy



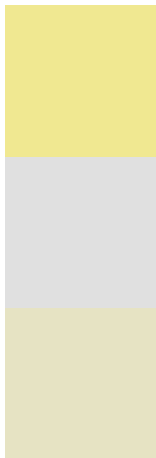
Original Color
154, 240, 145

Protanomaly
163, 246, 144

Deuteranomaly
209, 250, 174

Tritanomaly
246, 246, 204

Monochromacy



Original Color
154, 240, 145

Achromatopsia
224, 224, 224

Achromatomaly
198, 230, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 154, 240, 145 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(240, 232, 145)` looks like.

```
.text, #text, p{  
    color:rgb(240, 232, 145)  
}
```

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(240, 232, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 232, 145) }
```

Border

The CSS property to change the border of an element to RYB 154, 240, 145 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(240, 232, 145) }
```

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

```
.border{ border-color:rgb(240, 232, 145) }
```

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

Here you see how a box with a 4 pixel rgb(240, 232, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 232, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 232, 145);  
box-shadow:4px 4px 4px 4px rgb(240, 232,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 154, 240, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 232, 145) }
```

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

```
.background{ background-color: rgb(240,  
232, 145) }
```

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