

Converting Colors

`RYB(159, 240, 159)`

Have a look what the booklet for
RYB(159, 240, 159) contains.

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Color

R_YB(159, 240, 159)

Conversions

Conversions Part 1

Format	Color
Hex	F0F09F
RGB	240, 240, 159
RGB Percent	94%, 94%, 62%
CMY	0.0588, 0.0588, 0.3765
CMYK	0.00, 0.00, 0.34, 0.06
HSL	60°, 73%, 78%
HSV	60°, 34%, 94%
XYZ	73.3533, 83.3486, 45.0227
YIQ	230.7660, 26.0010, -25.1910

Conversions

Conversions Part 2

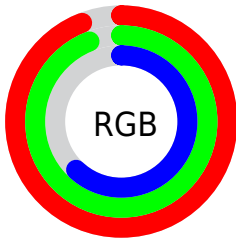
Format	Color
R_{YB}	159, 240, 159
Decimal	15790239
CIE _{Lab}	93.17, -11.92, 39.22
CIE _{LCh}	93, 40.989, 106.900
Yxy	83.3486, 0.3636, 0.4132
Android (android.graphics.Color)	4293980319 (0xFFFF0F09F)
YUV	230.7660, -35.3806, 8.0982
Hunter-Lab	91.2955, -16.3475, 34.6678

Details

The RYB color **159, 240, 159** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **159, 159, 240**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is **214, 255, 214**, and **106, 184, 107** is the 20% darker color. If you saturate the color by 10%, you get **135, 240, 135**, and if you desaturate by 10%, it is **183, 240, 183**.

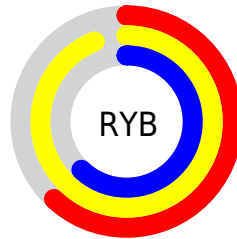
Distribution



Red (94%)

Green (94%)

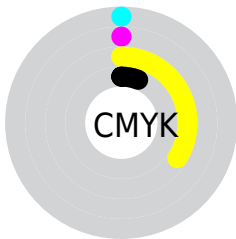
Blue (62%)



Red (62%)

Yellow (94%)

Blue (62%)

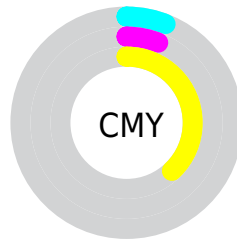


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (6%)



Cyan (6%)

Magenta (6%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 240, 159 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 159, 240, 159 by changing the saturation by 10% instead.

 159, 240, 159

 159, 240, 159


255, 255, 255

 132, 212, 133

 214, 255, 214

 106, 184, 107

 243, 255, 243

 81, 157, 83


 57, 131, 60

 32, 106, 36

 5, 82, 10

 0, 59, 6

 0, 38, 10

 0, 18, 18

■ 159, 240, 159

■ 159, 240, 159

■ 135, 240, 135

■ 183, 240, 183

■ 111, 240, 111

■ 207, 240, 207

■ 87, 240, 87

■ 231, 240, 231

■ 63, 240, 63

■ 240, 240, 255

■ 39, 240, 39

■ 15, 240, 15

■ 0, 240, 0

Harmonies

Analogous

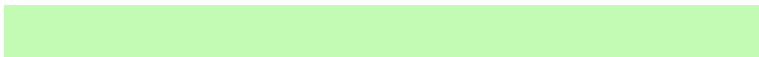
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



199, 255, 159



159, 240, 159



180, 250, 235

Triad

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



159, 240, 159



108, 181, 255



255, 207, 254

Complementary

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



159, 240, 159



159, 159, 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, 217, 255



159, 240, 159



156, 203, 255

Square

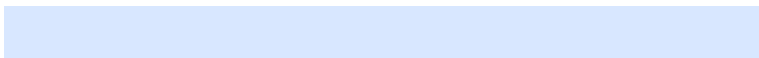
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



159, 240, 159



109, 182, 255



216, 227, 255



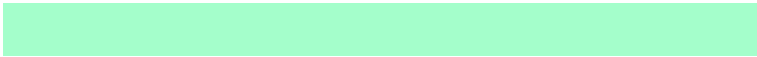
255, 206, 214

Rectangle

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



159, 240, 159



164, 227, 254



216, 227, 255



255, 210, 255

Sweetspot

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



159, 240, 159



230, 255, 230



240, 159, 159



112, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

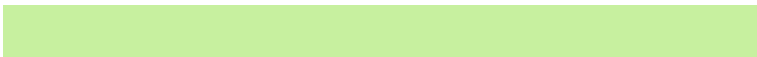
The Same Dimension uses a secret algorithm to generate beautiful new colors.



159, 240, 159



150, 255, 150



159, 240, 200



108, 120, 108



0, 184, 0



0, 56, 0

Inverse Universe

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



159, 159, 240



150, 150, 255



199, 159, 240



108, 108, 120



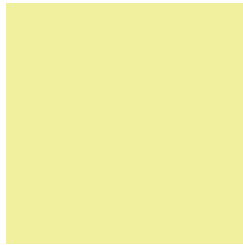
0, 0, 184



0, 0, 56

Previews

White Background



This preview shows how the RYB color 159, 240, 159 looks on a white background.

Color Contrast Check

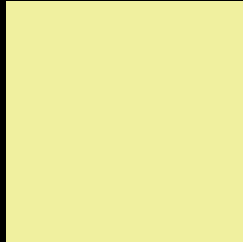
Large Text (above 18pt) WCAG AA × Fail

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 159, 240, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

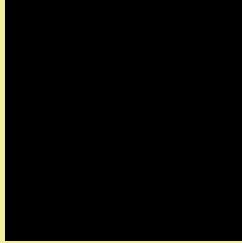
Any Text WCAG AA ✓ Pass

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 159, 240, 159 Background



This preview shows how black text looks on a background with the RYB color 159, 240, 159.

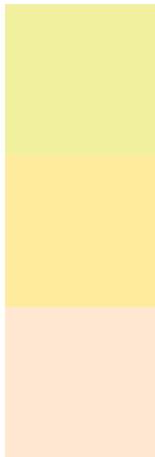


This preview shows how white text looks on a background with the RYB color 159, 240, 159.

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
159, 240, 159

Protanopia
182, 255, 157

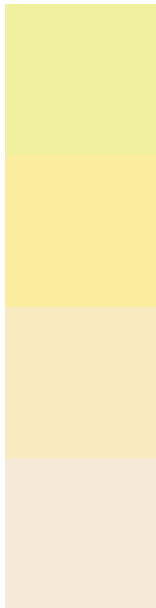
Deuteranopia
255, 251, 209



Tritanopia

251, 229, 247

Trichromacy



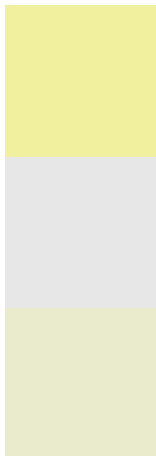
Original Color
159, 240, 159

Protanomaly
173, 250, 158

Deuteranomaly
213, 250, 191

Tritanomaly
240, 247, 215

Monochromacy



Original Color
159, 240, 159

Achromatopsia
231, 231, 231

Achromatomaly
205, 234, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 240, 159 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, 240, 159)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 159)  
}
```

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, 240, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 240, 159 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, 240, 159) }
```

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

```
.border{ border-color:rgb(240, 240, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 159);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 240, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 159) }
```

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

```
.background{ background-color: rgb(240,  
240, 159) }
```

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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