

Converting Colors

`RYB(152, 239, 133)`

Have a look what the booklet for
RYB(152, 239, 133) contains.

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Color

R_YB(152, 239, 133)

Conversions

Conversions Part 1

Format	Color
Hex	EFDF85
RGB	239, 223, 133
RGB Percent	94%, 87%, 52%
CMY	0.0627, 0.1259, 0.4784
CMYK	0.00, 0.07, 0.44, 0.06
HSL	51°, 77%, 73%
HSV	51°, 44%, 94%
XYZ	66.1880, 72.7597, 32.7458
YIQ	217.5240, 38.4260, -24.5980

Conversions

Conversions Part 2

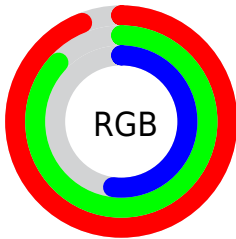
Format	Color
RYB	152, 239, 133
Decimal	15720325
CIELab	88.33, -6.53, 45.89
CIElCh	88, 46.349, 98.096
Yxy	72.7597, 0.3855, 0.4238
Android (android.graphics.Color)	4293910405 (0xFFEFD8)
YUV	217.5240, -41.6703, 18.8345
Hunter-Lab	85.2993, -10.7667, 36.9485

Details

The RYB color **152, 239, 133** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **133, 147, 239**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **187, 255, 187**, and **96, 181, 81** is the 20% darker color. If you saturate the color by 10%, you get **133, 239, 109**, and if you desaturate by 10%, it is **171, 239, 157**.

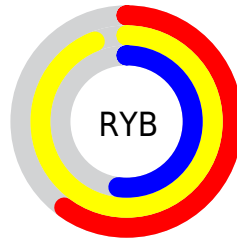
Distribution



Red (94%)

Green (87%)

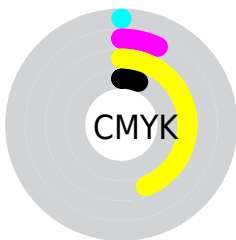
Blue (52%)



Red (60%)

Yellow (94%)

Blue (52%)

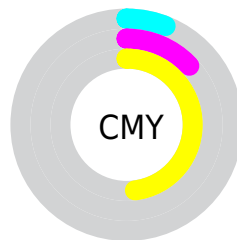


Cyan (0%)

Magenta (7%)

Yellow (44%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 239, 133 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 152, 239, 133 by changing the saturation by 10% instead.

 152, 239, 133

 152, 239, 133


255, 255, 255

 125, 210, 107


 187, 255, 187

 96, 181, 81

 216, 255, 216

 68, 153, 56

 244, 255, 244

 41, 126, 30

 8, 99, 0

 7, 74, 0

 2, 48, 0


 0, 26, 2


 0, 0, 0

 152, 239, 133

 152, 239, 133

 133, 239, 109

 171, 239, 157

 112, 239, 85

 192, 239, 181

 93, 239, 61


 211, 239, 205

 74, 239, 37

 232, 239, 229

 54, 239, 14

 239, 241, 252

 42, 239, 0

 239, 243, 255

 239, 245, 255

 239, 246, 255

 239, 247, 255

Harmonies

Analogous

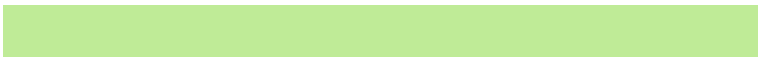
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



219, 255, 140



152, 239, 133



151, 235, 195

Triad

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



152, 239, 133



17, 133, 255



255, 192, 255

Complementary

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



152, 239, 133



133, 147, 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.



242, 206, 255



152, 239, 133



98, 171, 255

Square

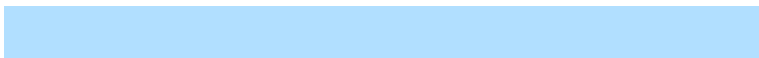
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



152, 239, 133



72, 162, 245



177, 206, 255



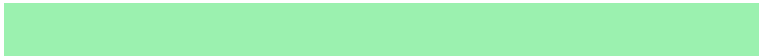
255, 187, 211

Rectangle

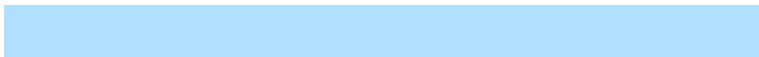
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



152, 239, 133



155, 225, 241



177, 206, 255



255, 196, 255

Sweetspot

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



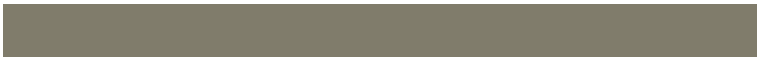
152, 239, 133



228, 255, 222



239, 133, 151



112, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



152, 239, 133



145, 255, 120



133, 239, 168



110, 120, 108



33, 184, 0



9, 56, 0

Inverse Universe

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



133, 147, 239



120, 137, 255



168, 133, 239



108, 110, 120



0, 24, 184



0, 8, 56

Previews

White Background



This preview shows how the RYB color 152, 239, 133 looks on a white background.

Color Contrast Check

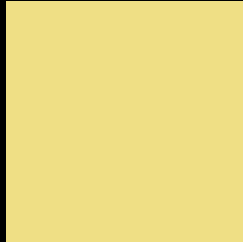
Large Text (above 18pt) WCAG AA × Fail

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 152, 239, 133 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 152, 239, 133 Background



This preview shows how black text looks on a background with the RYB color 152, 239, 133.



This preview shows how white text looks on a background with the RYB color 152, 239, 133.

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
152, 239, 133

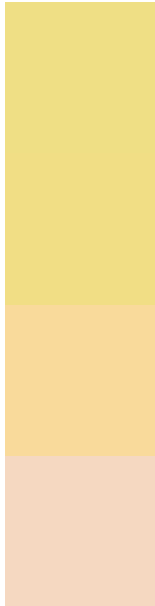
Protanopia
157, 242, 133

Deuteranopia
242, 255, 168



Tritanopia
249, 212, 228

Trichromacy



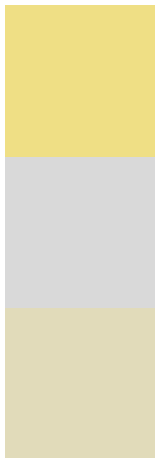
Original Color
152, 239, 133

Protanomaly
156, 241, 133

Deuteranomaly
201, 249, 155

Tritanomaly
245, 234, 193

Monochromacy



Original Color
152, 239, 133

Achromatopsia
217, 217, 217

Achromatomaly
193, 225, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 239, 133 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, 223, 133)` looks like.

```
.text, #text, p{  
    color:rgb(239, 223, 133)  
}
```

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, 223, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 223, 133) }
```

Border

The CSS property to change the border of an element to RYB 152, 239, 133 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, 223, 133) }
```

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

```
.border{ border-color:rgb(239, 223, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 223, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 223, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 223, 133);  
box-shadow:4px 4px 4px 4px rgb(239, 223,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 152, 239, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 223, 133) }
```

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

```
.background{ background-color: rgb(239,  
223, 133) }
```

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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