

Converting Colors

`RYB(117, 240, 164)`

Have a look what the booklet for
RYB(117, 240, 164) contains.

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Color

R_YB(117, 240, 164)

Conversions

Conversions Part 1

Format	Color
Hex	C1F075
RGB	193, 240, 117
RGB Percent	76%, 94%, 46%
CMY	0.2431, 0.0588, 0.5412
CMYK	0.20, 0.00, 0.51, 0.06
HSL	83°, 80%, 70%
HSV	83°, 51%, 94%
XYZ	56.3633, 74.9420, 28.3242
YIQ	211.9250, 11.4710, -48.2170

Conversions

Conversions Part 2

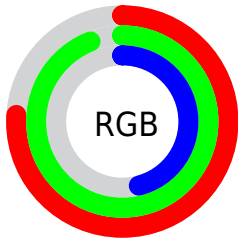
Format	Color
RYB	117, 240, 164
Decimal	12710005
CIELab	89.37, -34.09, 53.99
CIElCh	89, 63.855, 122.269
Yxy	74.9420, 0.3531, 0.4695
Android (android.graphics.Color)	4290900085 (0xFFC1F075)
YUV	211.9250, -46.7980, -16.5972
Hunter-Lab	86.5690, -35.2782, 41.1994

Details

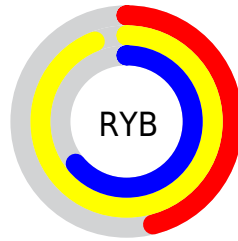
The RYB color **117, 240, 164** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **164, 117, 240**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **172, 255, 176**, and **64, 184, 111** is the 20% darker color. If you saturate the color by 10%, you get **93, 240, 149**, and if you desaturate by 10%, it is **141, 240, 179**.

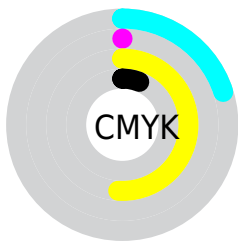
Distribution



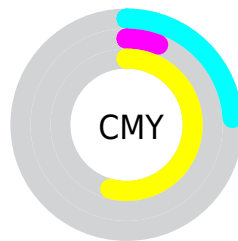
- Red (76%)
- Green (94%)
- Blue (46%)



- Red (46%)
- Yellow (94%)
- Blue (64%)



- Cyan (20%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)



- Cyan (24%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 240, 164 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 117, 240, 164 by changing the saturation by 10% instead.

 117, 240, 164

255, 255, 255


 172, 255, 176

 200, 255, 200


 229, 255, 229

 117, 240, 164


 90, 212, 137

 64, 184, 111


 36, 157, 84

 0, 130, 47

 0, 105, 49

 0, 80, 52

 0, 57, 57


 0, 37, 37

 0, 0, 0

 117, 240, 164

 117, 240, 164

 93, 240, 149

 141, 240, 179

 69, 240, 134

 165, 240, 194

 45, 240, 120

 189, 240, 208

 21, 240, 105

 213, 240, 223

 0, 240, 92

 237, 240, 238

 248, 240, 255

 255, 240, 255

Harmonies

Analogous

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



138, 255, 98



117, 240, 164



111, 212, 251

Triad

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



117, 240, 164



0, 125, 255



255, 172, 222

Complementary

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



117, 240, 164



164, 117, 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, 184, 255



117, 240, 164



121, 181, 255

Square

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



117, 240, 164



0, 127, 255



235, 207, 255



255, 184, 163

Rectangle

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



117, 240, 164



0, 140, 254



235, 207, 255



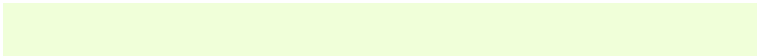
255, 174, 243

Sweetspot

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



117, 240, 164



217, 255, 232



240, 188, 117



105, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



117, 240, 164



97, 255, 157



117, 240, 224



108, 120, 113



0, 184, 71



0, 56, 21

Inverse Universe

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



164, 117, 240



157, 97, 255



224, 117, 240



112, 108, 120



70, 0, 184



21, 0, 56

Previews

White Background



This preview shows how the RYB color 117, 240, 164 looks on a white background.

Color Contrast Check

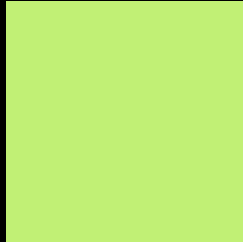
Large Text (above 18pt) WCAG AA × Fail

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 117, 240, 164 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 117, 240, 164 Background



This preview shows how black text looks on a background with the RYB color 117, 240, 164.

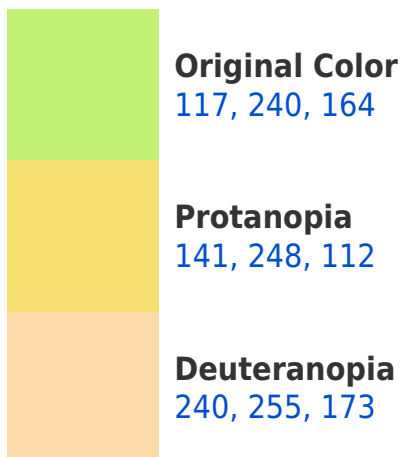


This preview shows how white text looks on a background with the RYB color 117, 240, 164.

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





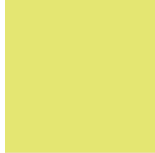
Tritanopia
210, 221, 244

Trichromacy



Original Color

117, 240, 164



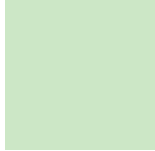
Protanomaly

114, 230, 116



Deuteranomaly

159, 232, 153



Tritanomaly

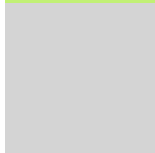
198, 231, 225

Monochromacy



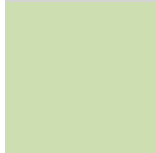
Original Color

117, 240, 164



Achromatopsia

212, 212, 212



Achromatomaly

177, 222, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 240, 164 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(193, 240, 117)` looks like.

```
.text, #text, p{  
    color:rgb(193, 240, 117)  
}
```

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(193, 240, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 240, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 240, 164 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(193, 240, 117) }
```

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

```
.border{ border-color:rgb(193, 240, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 240, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 240, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 240, 117);  
box-shadow:4px 4px 4px 4px rgb(193, 240,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 240, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 240, 117) }
```

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

```
.background{ background-color: rgb(193,  
240, 117) }
```

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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