

Converting Colors

R_{YB}(64, 225, 104)

Have a look what the booklet for
RYB(64, 225, 104) contains.

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Color

R_YB(64, 225, 104)

Conversions

Conversions Part 1

Format	Color
Hex	B9E140
RGB	185, 225, 64
RGB Percent	73%, 88%, 25%
CMY	0.2745, 0.1176, 0.7490
CMYK	0.18, 0.00, 0.72, 0.12
HSL	75°, 73%, 57%
HSV	75°, 72%, 88%
XYZ	47.8582, 64.5349, 14.7846
YIQ	194.6860, 27.8410, -58.5510

Conversions

Conversions Part 2

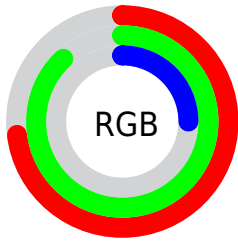
Format	Color
RYB	64, 225, 104
Decimal	12181824
CIELab	84.24, -34.30, 70.04
CIELCh	84, 77.987, 116.096
Yxy	64.5349, 0.3763, 0.5074
Android (android.graphics.Color)	4290371904 (0xFFB9E140)
YUV	194.6860, -64.4282, -8.4946
Hunter-Lab	80.3336, -34.2436, 45.3218

Details

The RYB color **64, 225, 104** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **104, 64, 225**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **122, 255, 133**, and **0, 170, 42** is the 20% darker color. If you saturate the color by 10%, you get **42, 225, 88**, and if you desaturate by 10%, it is **87, 225, 121**.

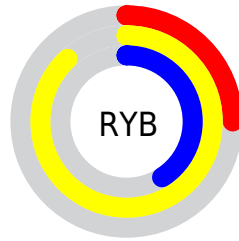
Distribution



Red (73%)

Green (88%)

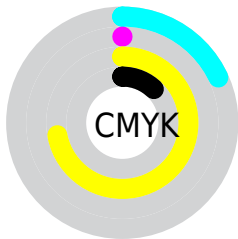
Blue (25%)



Red (25%)

Yellow (88%)

Blue (41%)

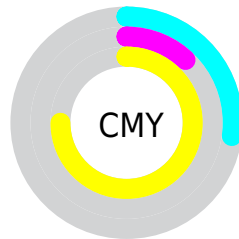


Cyan (18%)

Magenta (0%)

Yellow (72%)

Black (12%)



Cyan (27%)


















Magenta (12%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 225, 104 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 64, 225, 104 by changing the saturation by 10% instead.

 64, 225, 104	 64, 225, 104
 255, 255, 255	 30, 197, 71
 122, 255, 133	 0, 170, 42
 150, 255, 150	 0, 143, 43
 178, 255, 178	 0, 117, 45
 207, 255, 207	 0, 92, 49
 237, 255, 237	 0, 68, 61
	 0, 46, 46
	 0, 23, 23
	 0, 0, 0

 64, 225, 104

 64, 225, 104

 42, 225, 88

 87, 225, 121

 19, 225, 70

 109, 225, 138

 0, 225, 56

 132, 225, 155

 154, 225, 172

 177, 225, 189

 199, 225, 205

 222, 225, 223

 230, 225, 244

 235, 225, 255

Harmonies

Analogous

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



115, 255, 46



64, 225, 104



81, 204, 238

Triad

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



64, 225, 104



0, 123, 255



255, 141, 223

Complementary

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



64, 225, 104



104, 64, 225

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, 163, 255



64, 225, 104



0, 119, 255

Square

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



64, 225, 104



0, 125, 255



193, 195, 255



255, 147, 150

Rectangle

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



64, 225, 104



0, 142, 243



193, 195, 255



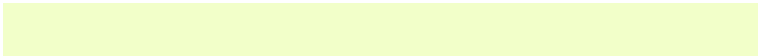
255, 146, 248

Sweetspot

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



64, 225, 104



201, 255, 214



225, 114, 64



96, 128, 104



0, 0, 0



128, 128, 128

Same Dimension

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



64, 225, 104



36, 255, 90



64, 225, 182



101, 112, 104



0, 176, 44



0, 48, 12

Inverse Universe

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



104, 64, 225



90, 36, 255



182, 64, 225



104, 101, 112



44, 0, 176



12, 0, 48

Previews

White Background



This preview shows how the RYB color 64, 225, 104 looks on a white background.

Color Contrast Check

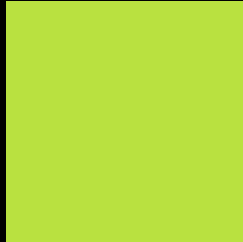
Large Text (above 18pt) WCAG AA × Fail

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 64, 225, 104 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 64, 225, 104 Background



This preview shows how black text looks on a background with the RYB color 64, 225, 104.

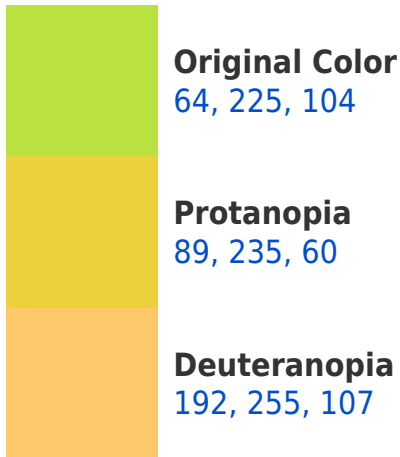


This preview shows how white text looks on a background with the RYB color 64, 225, 104.

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](#).

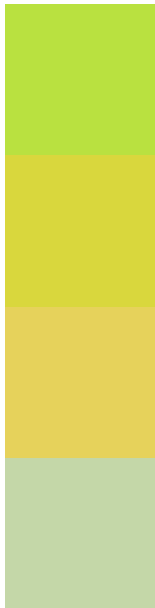
Dichromacy





Tritanopia
202, 208, 227

Trichromacy



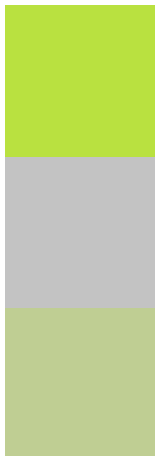
Original Color
64, 225, 104

Protanomaly
63, 217, 61

Deuteranomaly
114, 230, 91

Tritanomaly
168, 215, 187

Monochromacy



Original Color
64, 225, 104

Achromatopsia
195, 195, 195

Achromatomaly
147, 206, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 225, 104 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(185, 225, 64)` looks like.

```
.text, #text, p{  
    color:rgb(185, 225, 64)  
}
```

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(185, 225, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 225, 64) }
```

Border

The CSS property to change the border of an element to RYB 64, 225, 104 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(185, 225, 64) }
```

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

```
.border{ border-color:rgb(185, 225, 64) }
```

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

Here you see how a box with a 4 pixel rgb(185, 225, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 225, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 225, 64);  
box-shadow:4px 4px 4px 4px rgb(185, 225,  
64) }
```

Background

The CSS property to change the background color of an element to RYB 64, 225, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 225, 64) }
```

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

```
.background{ background-color: rgb(185,  
225, 64) }
```

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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