

Converting Colors

`RYB(96, 244, 164)`

Have a look what the booklet for
RYB(96, 244, 164) contains.

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Color

RYB(96, 244, 164)

Conversions

Conversions Part 1

Format	Color
Hex	B0F460
RGB	176, 244, 96
RGB Percent	69%, 96%, 38%
CMY	0.3098, 0.0431, 0.6235
CMYK	0.28, 0.00, 0.61, 0.04
HSL	88°, 87%, 67%
HSV	88°, 61%, 96%
XYZ	52.3665, 74.7760, 22.7395
YIQ	206.7960, 6.9800, -60.4440

Conversions

Conversions Part 2

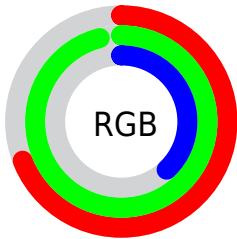
Format	Color
R_{YB}	96, 244, 164
Decimal	11596896
CIE _{Lab}	89.29, -43.93, 62.87
CIE _{LCh}	89, 76.698, 124.943
Yxy	74.7760, 0.3494, 0.4989
Android (android.graphics.Color)	4289786976 (0xFFB0F460)
YUV	206.7960, -54.6224, -27.0081
Hunter-Lab	86.4731, -43.2317, 44.9399

Details

The RYB color **96, 244, 164** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **164, 96, 244**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **151, 255, 171**, and **38, 187, 106** is the 20% darker color. If you saturate the color by 10%, you get **72, 244, 151**, and if you desaturate by 10%, it is **120, 244, 177**.

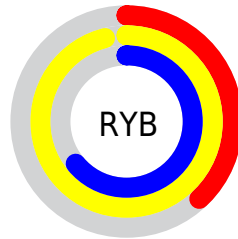
Distribution



Red (69%)

Green (96%)

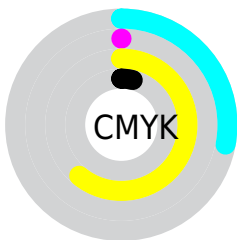
Blue (38%)



Red (38%)

Yellow (96%)

Blue (64%)

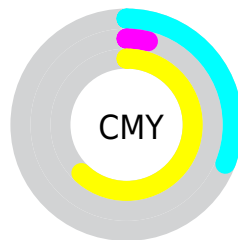


Cyan (28%)

Magenta (0%)

Yellow (61%)

Black (4%)



Cyan (31%)

















Magenta (4%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 244, 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 96, 244, 164 by changing the saturation by 10% instead.

 96, 244, 164	 96, 244, 164
 255, 255, 255	 68, 215, 136
 151, 255, 171	 38, 187, 106
 180, 255, 180	 0, 160, 69
 208, 255, 208	 0, 133, 71
 238, 255, 238	 0, 108, 78
	 0, 83, 83
	 0, 59, 59
	 0, 38, 38
	 0, 0, 0

■ 96, 244, 164

■ 96, 244, 164

■ 72, 244, 151

■ 120, 244, 177

■ 47, 244, 137

■ 145, 244, 191

■ 23, 244, 125

■ 169, 244, 203

■ 0, 244, 112

■ 194, 244, 217

■ 218, 244, 230

■ 242, 244, 243

■ 254, 244, 255

■ 255, 244, 255

Harmonies

Analogous

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



97, 252, 65



96, 244, 164



44, 181, 255

Triad

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



96, 244, 164



0, 126, 255



255, 156, 215

Complementary

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



96, 244, 164



164, 96, 244

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, 170, 255



96, 244, 164



85, 163, 255

Square

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



96, 244, 164



0, 128, 255



243, 200, 255



255, 178, 144

Rectangle

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



96, 244, 164



0, 140, 255



243, 200, 255



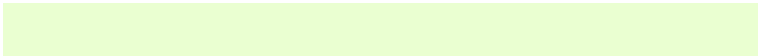
255, 158, 240

Sweetspot

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



96, 244, 164



209, 255, 230



244, 218, 96



99, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



96, 244, 164



69, 255, 155



96, 244, 237



110, 122, 115



0, 186, 85



0, 59, 27

Inverse Universe

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



164, 96, 244



154, 69, 255



237, 96, 244



116, 110, 122



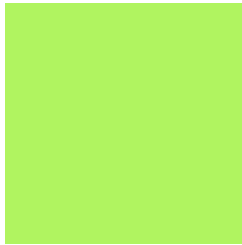
86, 0, 186



27, 0, 59

Previews

White Background



This preview shows how the RYB color 96, 244, 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 96, 244, 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 96, 244, 164 Background



This preview shows how black text looks on a background with the RYB color 96, 244, 164.

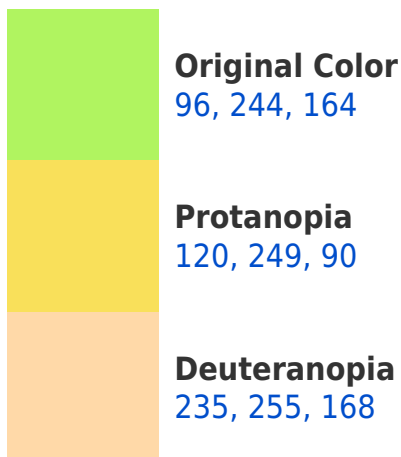



This preview shows how white text looks on a background with the RYB color 96, 244, 164.

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





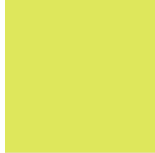
Tritanopia
196, 216, 247

Trichromacy



Original Color

96, 244, 164



Protanomaly

92, 231, 101



Deuteranomaly

142, 227, 143



Tritanomaly

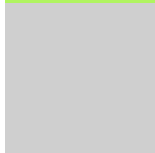
189, 231, 234

Monochromacy



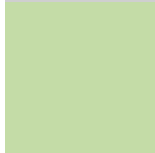
Original Color

96, 244, 164



Achromatopsia

207, 207, 207



Achromatomaly

167, 220, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 244, 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(176, 244, 96)` looks like.

```
.text, #text, p{  
    color:rgb(176, 244, 96)  
}
```

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(176, 244, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 244, 96) }
```

Border

The CSS property to change the border of an element to RYB 96, 244, 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(176, 244, 96) }
```

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

```
.border{ border-color:rgb(176, 244, 96) }
```

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

Here you see how a box with a 4 pixel rgb(176, 244, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 244, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 244, 96);  
box-shadow:4px 4px 4px 4px rgb(176, 244,  
96) }
```

Background

The CSS property to change the background color of an element to RYB 96, 244, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 244, 96) }
```

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

```
.background{ background-color: rgb(176,  
244, 96) }
```

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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