

Converting Colors

`RYB(168, 224, 105)`

Have a look what the booklet for
RYB(168, 224, 105) contains.

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Color

R_YB(168, 224, 105)

Conversions

Conversions Part 1

Format	Color
Hex	E0B769
RGB	224, 183, 105
RGB Percent	88%, 72%, 41%
CMY	0.1216, 0.2831, 0.5882
CMYK	0.00, 0.18, 0.53, 0.12
HSL	39°, 66%, 65%
HSV	39°, 53%, 88%
XYZ	50.1841, 50.6549, 20.4970
YIQ	186.3670, 49.4740, -15.5660

Conversions

Conversions Part 2

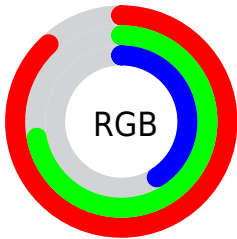
Format	Color
RYB	168, 224, 105
Decimal	14727017
CIELab	76.47, 5.55, 44.81
CIELCh	76, 45.149, 82.943
Yxy	50.6549, 0.4136, 0.4175
Android (android.graphics.Color)	4292917097 (0xFFE0B769)
YUV	186.3670, -40.1139, 33.0041
Hunter-Lab	71.1723, 1.3103, 32.7456

Details

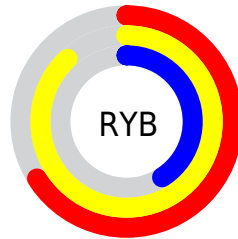
The RYB color **168, 224, 105** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **105, 135, 224**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **177, 255, 158**, and **108, 166, 55** is the 20% darker color. If you saturate the color by 10%, you get **158, 224, 83**, and if you desaturate by 10%, it is **177, 224, 127**.

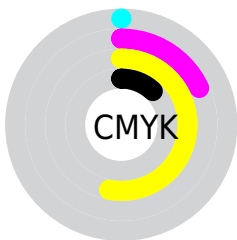
Distribution



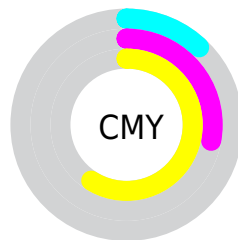
- Red (88%)
- Green (72%)
- Blue (41%)



- Red (66%)
- Yellow (88%)
- Blue (41%)



- Cyan (0%)
- Magenta (18%)
- Yellow (53%)
- Black (12%)



- Cyan (12%)
- Magenta (28%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 224, 105 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 168, 224, 105 by changing the saturation by 10% instead.

 168, 224, 105

255, 255, 255

 177, 255, 158

 185, 255, 185


 213, 255, 213


 242, 255, 242

 168, 224, 105

 139, 195, 80


 108, 166, 55

 78, 138, 30

 41, 111, 0

 38, 84, 0

 33, 58, 0

 31, 33, 0

 0, 0, 0

 168, 224, 105

 168, 224, 105

■ 158, 224, 83

■ 177, 224, 127

■ 147, 224, 60

■ 190, 224, 150

■ 136, 224, 38

■ 200, 224, 172

■ 125, 224, 15

■ 210, 224, 195

■ 120, 224, 0

■ 220, 224, 217

■ 224, 228, 239

■ 224, 233, 255

■ 224, 237, 255

■ 224, 239, 255

Harmonies

Analogous

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



255, 191, 123



168, 224, 105



110, 196, 123

Triad

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



168, 224, 105



0, 107, 220



231, 166, 239

Complementary

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



168, 224, 105



105, 135, 224

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.



178, 182, 255



168, 224, 105



0, 114, 254

Square

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



168, 224, 105



72, 150, 210



104, 161, 255



255, 156, 200

Rectangle

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



168, 224, 105



126, 203, 178



104, 161, 255



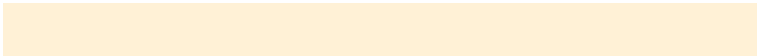
216, 171, 250

Sweetspot

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



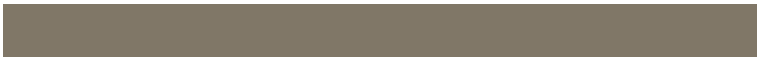
168, 224, 105



235, 255, 214



224, 105, 147



117, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



168, 224, 105



177, 255, 92



105, 224, 123



107, 112, 101



93, 176, 0



24, 48, 0

Inverse Universe

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



105, 135, 224



92, 134, 255



123, 105, 224



101, 104, 112



0, 45, 176



0, 13, 48

Previews

White Background



This preview shows how the RYB color 168, 224, 105 looks on a white background.

Color Contrast Check

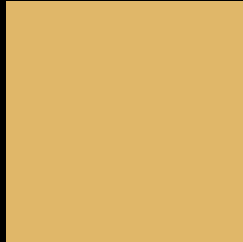
Large Text (above 18pt) WCAG AA × Fail

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 168, 224, 105 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 168, 224, 105 Background



This preview shows how black text looks on a background with the RYB color 168, 224, 105.

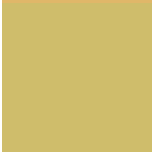



This preview shows how white text looks on a background with the RYB color 168, 224, 105.

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 168, 224, 105
	Protanopia 129, 207, 107
	Deuteranopia 192, 231, 106



Tritanopia
231, 173, 187

Trichromacy



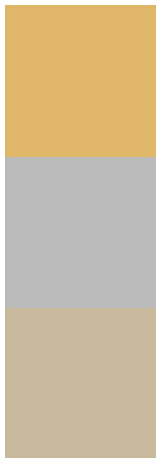
Original Color
168, 224, 105

Protanomaly
140, 213, 106

Deuteranomaly
182, 228, 106

Tritanomaly
228, 185, 157

Monochromacy



Original Color
168, 224, 105

Achromatopsia
186, 186, 186

Achromatomaly
180, 200, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 224, 105 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(224, 183, 105)` looks like.

```
.text, #text, p{  
    color:rgb(224, 183, 105)  
}
```

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(224, 183, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 183, 105) }
```

Border

The CSS property to change the border of an element to RYB 168, 224, 105 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(224, 183, 105) }
```

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

```
.border{ border-color:rgb(224, 183, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 183, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 183, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 183, 105);  
box-shadow:4px 4px 4px 4px rgb(224, 183,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 168, 224, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 183, 105) }
```

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

```
.background{ background-color: rgb(224,  
183, 105) }
```

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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