

Converting Colors

`RYB(72, 224, 164)`

Have a look what the booklet for
RYB(72, 224, 164) contains.

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Color

R_YB(72, 224, 164)

Conversions

Conversions Part 1

Format	Color
Hex	84E048
RGB	132, 224, 72
RGB Percent	52%, 88%, 28%
CMY	0.4824, 0.1216, 0.7176
CMYK	0.41, 0.00, 0.68, 0.12
HSL	96°, 71%, 58%
HSV	96°, 68%, 88%
XYZ	37.3411, 58.6847, 15.4901
YIQ	179.1640, -6.0400, -66.7760

Conversions

Conversions Part 2

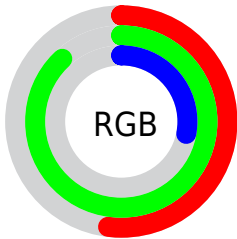
Format	Color
RYB	72, 224, 164
Decimal	8708168
CIELab	81.12, -52.41, 63.04
CIElCh	81, 81.980, 129.741
Yxy	58.6847, 0.3348, 0.5262
Android (android.graphics.Color)	4286898248 (0xFF84E048)
YUV	179.1640, -52.8319, -41.3628
Hunter-Lab	76.6060, -47.0518, 41.6354

Details

The RYB color **72, 224, 164** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **164, 72, 224**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **128, 255, 193**, and **0, 168, 95** is the 20% darker color. If you saturate the color by 10%, you get **50, 224, 156**, and if you desaturate by 10%, it is **94, 224, 172**.

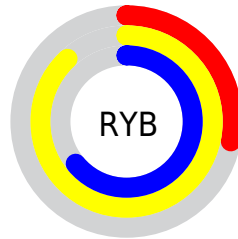
Distribution



Red (52%)

Green (88%)

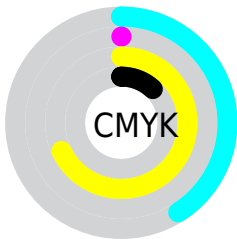
Blue (28%)



Red (28%)

Yellow (88%)

Blue (64%)

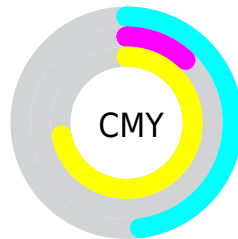


Cyan (41%)

Magenta (0%)

Yellow (68%)

Black (12%)



Cyan (48%)


















Magenta (12%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 224, 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 72, 224, 164 by changing the saturation by 10% instead.

 72, 224, 164	 72, 224, 164
 255, 255, 255	 42, 196, 135
 128, 255, 193	 0, 168, 95
 156, 255, 191	 0, 141, 102
 184, 255, 189	 0, 115, 115
 213, 255, 213	 0, 89, 89
 242, 255, 242	 0, 65, 65
	 0, 43, 43
	 0, 8, 8
	 0, 0, 0

 72, 224, 164

 72, 224, 164

 50, 224, 156

 94, 224, 172

 27, 224, 146

 117, 224, 182

 5, 224, 138

 139, 224, 190

 0, 224, 136

 162, 224, 200

 184, 224, 208

 206, 224, 217

 227, 224, 229

 240, 224, 251

 254, 224, 255

Harmonies

Analogous

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



17, 216, 6



72, 224, 164



0, 144, 234

Triad

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



72, 224, 164



0, 119, 255



255, 125, 180

Complementary

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



72, 224, 164



164, 72, 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.



255, 136, 255



72, 224, 164



65, 145, 255

Square

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



72, 224, 164



0, 122, 255



236, 170, 255



255, 160, 107

Rectangle

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



72, 224, 164



0, 129, 237



236, 170, 255



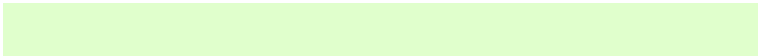
255, 125, 205

Sweetspot

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



72, 224, 164



204, 255, 235



174, 224, 72



97, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



72, 224, 164



48, 255, 173



72, 210, 224



101, 112, 108



0, 176, 107



0, 48, 29

Inverse Universe

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



164, 72, 224



173, 48, 255



224, 72, 209



108, 101, 112



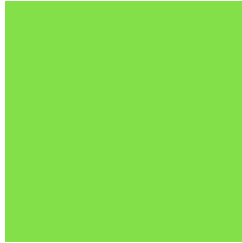
106, 0, 176



29, 0, 48

Previews

White Background



This preview shows how the RYB color 72, 224, 164 looks on a white background.

Color Contrast Check

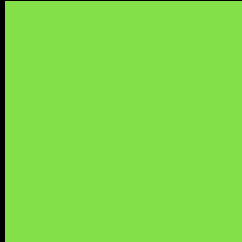
Large Text (above 18pt) WCAG AA × Fail

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 72, 224, 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 72, 224, 164 Background



This preview shows how black text looks on a background with the RYB color 72, 224, 164.

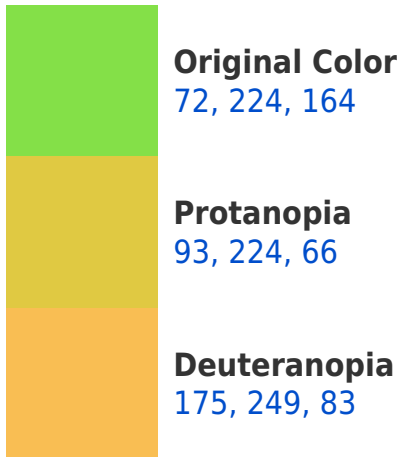


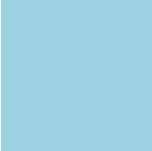
This preview shows how white text looks on a background with the RYB color 72, 224, 164.

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
156, 186, 226

Trichromacy



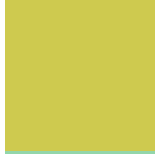
Original Color

72, 224, 164



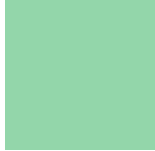
Protanomaly

68, 209, 86



Deuteranomaly

83, 206, 79



Tritanomaly

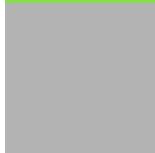
147, 197, 214

Monochromacy



Original Color

72, 224, 164



Achromatopsia

179, 179, 179



Achromatomaly

140, 195, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 224, 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(132, 224, 72)` looks like.

```
.text, #text, p{  
    color:rgb(132, 224, 72)  
}
```

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(132, 224, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 224, 72) }
```

Border

The CSS property to change the border of an element to RYB 72, 224, 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(132, 224, 72) }
```

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

```
.border{ border-color:rgb(132, 224, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 224, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 224, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 224, 72);  
box-shadow:4px 4px 4px 4px rgb(132, 224,  
72) }
```

Background

The CSS property to change the background color of an element to RYB 72, 224, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 224, 72) }
```

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

```
.background{ background-color: rgb(132,  
224, 72) }
```

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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