

Converting Colors

`RYB(172, 229, 146)`

Have a look what the booklet for
RYB(172, 229, 146) contains.

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Color

R_YB(172, 229, 146)

Conversions

Conversions Part 1

Format	Color
Hex	E5D192
RGB	229, 209, 146
RGB Percent	90%, 82%, 57%
CMY	0.1020, 0.1796, 0.4275
CMYK	0.00, 0.09, 0.36, 0.10
HSL	46°, 61%, 74%
HSV	46°, 36%, 90%
XYZ	60.3514, 64.4334, 36.4502
YIQ	207.7980, 32.1430, -15.3530

Conversions

Conversions Part 2

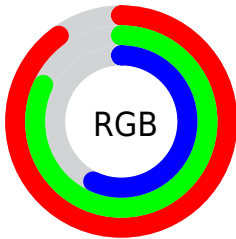
Format	Color
R_{YB}	172, 229, 146
Decimal	15061394
CIE _{Lab}	84.19, -2.10, 33.87
CIE _{LCh}	84, 33.938, 93.554
Yxy	64.4334, 0.3743, 0.3996
Android (android.graphics.Color)	4293251474 (0xFFE5D192)
YUV	207.7980, -30.4664, 18.5942
Hunter-Lab	80.2704, -6.2677, 29.2662

Details

The RYB color **172, 229, 146** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **146, 162, 229**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **200, 255, 200**, and **117, 172, 95** is the 20% darker color. If you saturate the color by 10%, you get **156, 229, 123**, and if you desaturate by 10%, it is **187, 229, 169**.

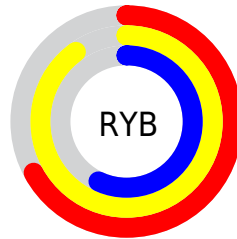
Distribution



Red (90%)

Green (82%)

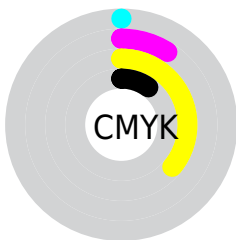
Blue (57%)



Red (67%)

Yellow (90%)

Blue (57%)

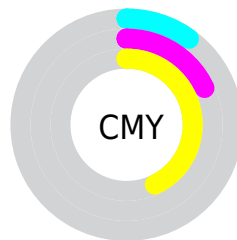


Cyan (0%)

Magenta (9%)

Yellow (36%)

Black (10%)



Cyan (10%)

Magenta (18%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 229, 146 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 172, 229, 146 by changing the saturation by 10% instead.

 172, 229, 146

255, 255, 255


 200, 255, 200

 229, 255, 229

 172, 229, 146

 143, 200, 120

 117, 172, 95

 90, 145, 70

 63, 118, 46

 38, 92, 23

 12, 67, 0

 8, 43, 0

 2, 17, 0

 0, 0, 0

■ 172, 229, 146

■ 172, 229, 146

■ 156, 229, 123

■ 187, 229, 169

■ 141, 229, 100

■ 204, 229, 192

■ 124, 229, 77

■ 219, 229, 215

■ 109, 229, 54

■ 229, 231, 238

■ 93, 229, 31

■ 229, 235, 255

■ 79, 229, 9

■ 229, 238, 255

■ 72, 229, 0

■ 229, 240, 255

■ 229, 241, 255

■ 229, 242, 255

Harmonies

Analogous

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



255, 232, 154



172, 229, 146



156, 219, 181

Triad

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



172, 229, 146



109, 172, 244



254, 191, 239

Complementary

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



172, 229, 146



146, 162, 229

Split Complementary

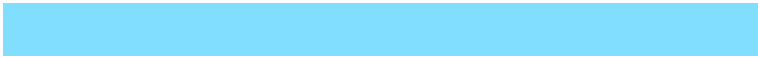
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



220, 200, 255



172, 229, 146



130, 183, 255

Square

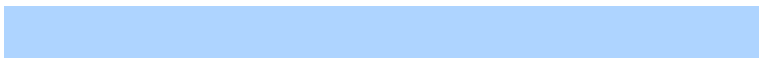
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



172, 229, 146



124, 180, 228



174, 200, 255



255, 186, 207

Rectangle

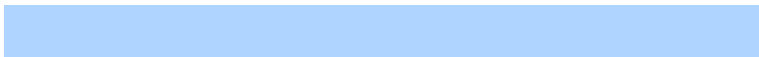
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



172, 229, 146



170, 222, 223



174, 200, 255



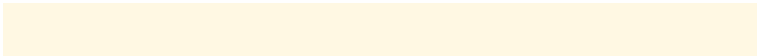
244, 193, 248

Sweetspot

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



172, 229, 146



236, 255, 227



229, 146, 167



116, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



172, 229, 146



179, 255, 145



146, 229, 167



107, 115, 103



57, 179, 0



16, 51, 0

Inverse Universe

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



146, 162, 229



145, 167, 255



167, 146, 229



103, 105, 115



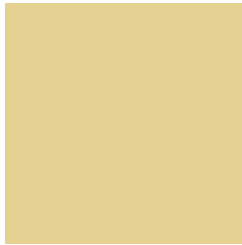
0, 35, 179



0, 10, 51

Previews

White Background



This preview shows how the RYB color 172, 229, 146 looks on a white background.

Color Contrast Check

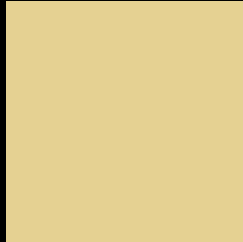
Large Text (above 18pt) WCAG AA × Fail

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 172, 229, 146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

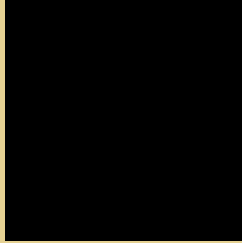
Any Text WCAG AA ✓ Pass

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 172, 229, 146 Background



This preview shows how black text looks on a background with the RYB color 172, 229, 146.



This preview shows how white text looks on a background with the RYB color 172, 229, 146.

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

172, 229, 146

Protanopia

168, 227, 146

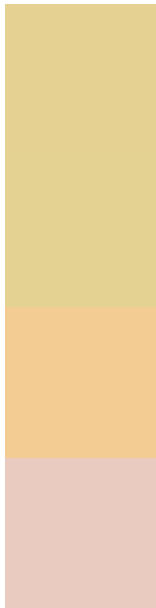
Deuteranopia

242, 250, 148



Tritanopia
237, 200, 216

Trichromacy



Original Color

172, 229, 146

Protanomaly

169, 228, 146

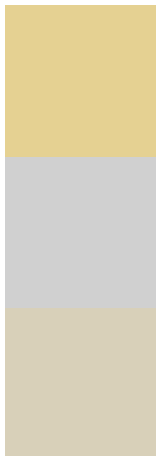
Deuteranomaly

210, 242, 147

Tritanomaly

234, 208, 191

Monochromacy



Original Color

172, 229, 146

Achromatopsia

208, 208, 208

Achromatomaly

196, 216, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 229, 146 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(229, 209, 146)` looks like.

```
.text, #text, p{  
    color:rgb(229, 209, 146)  
}
```

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(229, 209, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 209, 146) }
```

Border

The CSS property to change the border of an element to RYB 172, 229, 146 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(229, 209, 146) }
```

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

```
.border{ border-color:rgb(229, 209, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 209, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 209, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 209, 146); box-shadow:4px 4px 4px 4px rgb(229, 209, 146) }
```

Background

The CSS property to change the background color of an element to RYB 172, 229, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 209, 146) }
```

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

```
.background{ background-color: rgb(229,  
209, 146) }
```

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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