

Converting Colors

`RYB(196, 229, 110)`

Have a look what the booklet for
RYB(196, 229, 110) contains.

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Color

R_YB(196, 229, 110)

Conversions

Conversions Part 1

Format	Color
Hex	E5B36E
RGB	229, 179, 110
RGB Percent	90%, 70%, 43%
CMY	0.1020, 0.2977, 0.5686
CMYK	0.00, 0.22, 0.52, 0.10
HSL	35°, 70%, 66%
HSV	35°, 52%, 90%
XYZ	51.2633, 50.0553, 21.7116
YIQ	186.0840, 51.9490, -10.8590

Conversions

Conversions Part 2

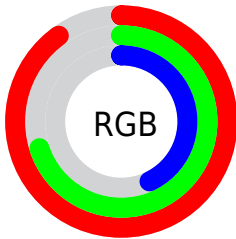
Format	Color
RYB	196, 229, 110
Decimal	15053678
CIELab	76.10, 10.00, 41.95
CIELCh	76, 43.130, 76.591
Yxy	50.0553, 0.4167, 0.4069
Android (android.graphics.Color)	4293243758 (0xFFE5B36E)
YUV	186.0840, -37.5094, 37.6373
Hunter-Lab	70.7498, 5.5241, 31.3300

Details

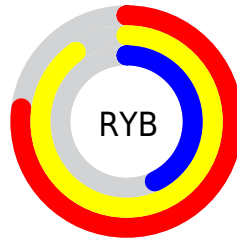
The RYB color **196, 229, 110** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **110, 145, 229**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **189, 255, 163**, and **136, 171, 60** is the 20% darker color. If you saturate the color by 10%, you get **191, 229, 87**, and if you desaturate by 10%, it is **202, 229, 133**.

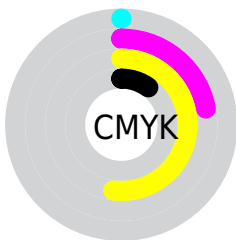
Distribution



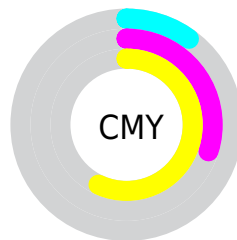
- Red (90%)
- Green (70%)
- Blue (43%)



- Red (77%)
- Yellow (90%)
- Blue (43%)



- Cyan (0%)
- Magenta (22%)
- Yellow (52%)
- Black (10%)



- Cyan (10%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 229, 110 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 196, 229, 110 by changing the saturation by 10% instead.

 196, 229, 110

255, 255, 255

 189, 255, 163

 190, 255, 190


 218, 255, 218

 247, 255, 247

 196, 229, 110


 167, 200, 85

 136, 171, 60

 102, 143, 36

 66, 115, 9

 53, 88, 0

 51, 62, 0

 37, 20, 0

 0, 0, 0

 196, 229, 110

 196, 229, 110

191, 229, 87

202, 229, 133

183, 229, 64

210, 229, 156

177, 229, 41

215, 229, 179

169, 229, 18

221, 229, 202

165, 229, 0

229, 229, 225

229, 235, 247

229, 239, 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, 178, 131



196, 229, 110



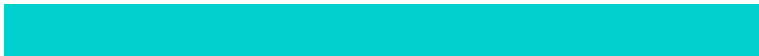
110, 192, 111

Triad

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



196, 229, 110



0, 105, 209



220, 169, 243

Complementary

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



196, 229, 110



110, 145, 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.



165, 181, 255



196, 229, 110



0, 111, 244

Square

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



196, 229, 110



93, 163, 208



93, 156, 255



254, 158, 207

Rectangle

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



196, 229, 110



122, 199, 159



93, 156, 255



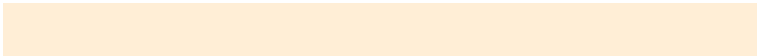
204, 174, 252

Sweetspot

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



196, 229, 110



243, 255, 214



229, 110, 162



123, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



196, 229, 110



210, 255, 97



110, 229, 118



112, 115, 103



129, 179, 0



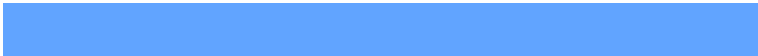
36, 51, 0

Inverse Universe

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



110, 145, 229



97, 144, 255



118, 110, 229



103, 107, 115



0, 53, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 196, 229, 110 looks on a white background.

Color Contrast Check

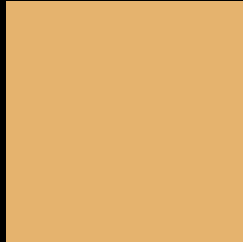
Large Text (above 18pt) WCAG AA × Fail

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 196, 229, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

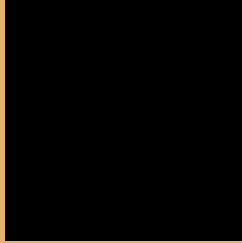
Any Text WCAG AA ✓ Pass

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](#).

R Y B 196, 229, 110 Background



This preview shows how black text looks on a background with the RYB color 196, 229, 110.



This preview shows how white text looks on a background with the RYB color 196, 229, 110.

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
196, 229, 110

Protanopia
134, 205, 113

Deuteranopia
194, 228, 110



Tritanopia
235, 170, 183

Trichromacy



Original Color
196, 229, 110

Protanomaly
153, 214, 112

Deuteranomaly
194, 228, 110

Tritanomaly
233, 178, 156

Monochromacy



Original Color
196, 229, 110

Achromatopsia
186, 186, 186

Achromatomaly
191, 202, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 229, 110 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, 179, 110)` looks like.

```
.text, #text, p{  
    color:rgb(229, 179, 110)  
}
```

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, 179, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 179, 110) }
```

Border

The CSS property to change the border of an element to RYB 196, 229, 110 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, 179, 110) }
```

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

```
.border{ border-color:rgb(229, 179, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 179, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 179, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 179, 110);  
box-shadow:4px 4px 4px 4px rgb(229, 179,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 196, 229, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 179, 110) }
```

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

```
.background{ background-color: rgb(229,  
179, 110) }
```

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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