

Converting Colors

`RYB(206, 227, 166)`

Have a look what the booklet for
RYB(206, 227, 166) contains.

RYB(206, 227, 166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(206, 227, 166)

Conversions

Conversions Part 1

Format	Color
Hex	E3CBA6
RGB	227, 203, 166
RGB Percent	89%, 80%, 65%
CMY	0.1098, 0.2045, 0.3490
CMYK	0.00, 0.11, 0.27, 0.11
HSL	36°, 52%, 77%
HSV	36°, 27%, 89%
XYZ	59.8800, 61.7212, 44.8337
YIQ	205.9580, 26.1810, -6.4190

Conversions

Conversions Part 2

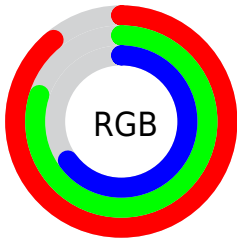
Format	Color
R _Y B	206, 227, 166
Decimal	14928806
CIE Lab	82.76, 2.92, 21.49
CIE LCh	83, 21.690, 82.260
Yxy	61.7212, 0.3598, 0.3708
Android (android.graphics.Color)	4293118886 (0xFFE3CBA6)
YUV	205.9580, -19.6993, 18.4538
Hunter-Lab	78.5628, -1.4335, 21.1587

Details

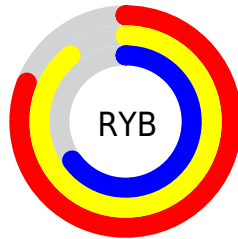
The RYB color **206, 227, 166** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **166, 183, 227**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **221, 255, 221**, and **150, 171, 114** is the 20% darker color. If you saturate the color by 10%, you get **197, 227, 143**, and if you desaturate by 10%, it is **214, 227, 189**.

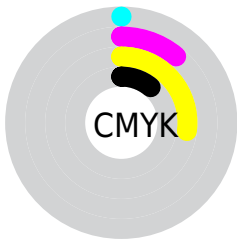
Distribution



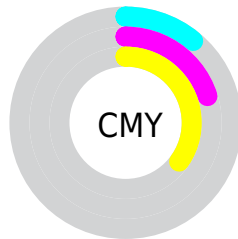
- Red (89%)
- Green (80%)
- Blue (65%)



- Red (81%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (27%)
- Black (11%)



- Cyan (11%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the RYB color 206, 227, 166 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 206, 227, 166 by changing the saturation by 10% instead.

 206, 227, 166

 206, 227, 166


255, 255, 255

 180, 199, 140

 221, 255, 221

 150, 171, 114

 250, 255, 250

 123, 144, 89

 99, 118, 66

 69, 92, 43

 47, 68, 22

 20, 45, 0

 20, 11, 0

 0, 0, 0

■ 206, 227, 166

■ 206, 227, 166

■ 197, 227, 143

■ 214, 227, 189

■ 191, 227, 121

■ 221, 227, 211

■ 182, 227, 98

■ 227, 229, 234

■ 174, 227, 75

■ 227, 235, 255

■ 167, 227, 53

■ 227, 239, 255

■ 159, 227, 30

■ 227, 241, 255

■ 151, 227, 7

■ 149, 227, 0

Harmonies

Analogous

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



242, 206, 175



206, 227, 166



168, 209, 171

Triad

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



206, 227, 166



151, 185, 221



227, 196, 231

Complementary

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



206, 227, 166



166, 183, 227

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.



203, 203, 244



206, 227, 166



156, 190, 238

Square

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



206, 227, 166



162, 195, 218



176, 198, 246



244, 192, 212

Rectangle

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



206, 227, 166



175, 213, 198



176, 198, 246



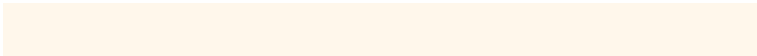
220, 198, 236

Sweetspot

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



206, 227, 166



248, 255, 235



227, 166, 190



126, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



206, 227, 166



225, 255, 173



166, 227, 172



112, 115, 103



118, 179, 0



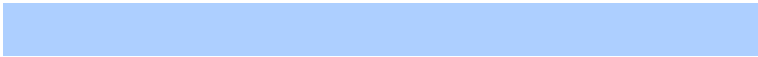
33, 51, 0

Inverse Universe

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



166, 183, 227



173, 197, 255



172, 166, 227



103, 107, 115



0, 51, 179



0, 14, 51

Previews

White Background



This preview shows how the RYB color 206, 227, 166 looks on a white background.

Color Contrast Check

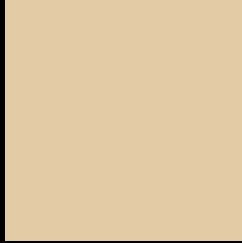
Large Text (above 18pt) WCAG AA × Fail

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 206, 227, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

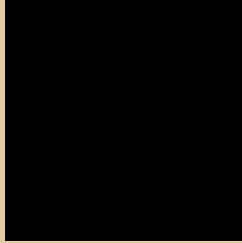
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

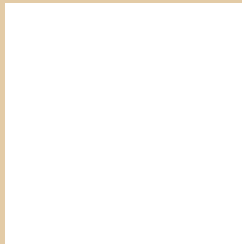
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYP 206, 227, 166 Background



This preview shows how black text looks on a background with the RYP color 206, 227, 166.



This preview shows how white text looks on a background with the RYP color 206, 227, 166.

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
206, 227, 166

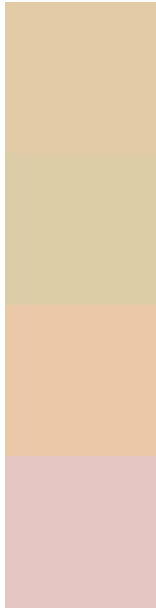
Protanopia
183, 218, 167

Deuteranopia
240, 221, 167



Tritanopia
232, 196, 212

Trichromacy



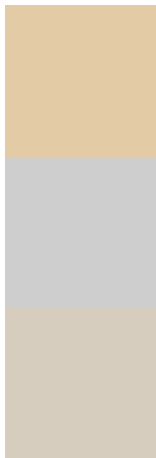
Original Color
206, 227, 166

Protanomaly
190, 221, 167

Deuteranomaly
235, 231, 167

Tritanomaly
230, 198, 195

Monochromacy



Original Color
206, 227, 166

Achromatopsia
206, 206, 206

Achromatomaly
206, 214, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 227, 166 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(227, 203, 166)` looks like.

```
.text, #text, p{  
    color:rgb(227, 203, 166)  
}
```

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(227, 203, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 203, 166) }
```

Border

The CSS property to change the border of an element to RYB 206, 227, 166 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(227, 203, 166) }
```

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

```
.border{ border-color:rgb(227, 203, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 203, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 203, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 203, 166); box-shadow:4px 4px 4px 4px rgb(227, 203, 166) }
```

Background

The CSS property to change the background color of an element to RYB 206, 227, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 203, 166) }
```

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

```
.background{ background-color: rgb(227,  
203, 166) }
```

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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