

Converting Colors

`RYB(106, 200, 112)`

Have a look what the booklet for
RYB(106, 200, 112) contains.

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Color

R_YB(106, 200, 112)

Conversions

Conversions Part 1

Format	Color
Hex	C2C86A
RGB	194, 200, 106
RGB Percent	76%, 78%, 42%
CMY	0.2392, 0.2157, 0.5843
CMYK	0.03, 0.00, 0.47, 0.22
HSL	64°, 46%, 60%
HSV	64°, 47%, 78%
XYZ	45.5039, 53.8185, 21.6254
YIQ	187.4900, 26.5980, -30.5060

Conversions

Conversions Part 2

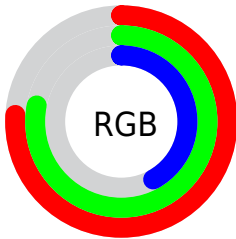
Format	Color
RYB	106, 200, 112
Decimal	12765290
CIELab	78.36, -15.56, 45.99
CIELCh	78, 48.553, 108.690
Yxy	53.8185, 0.3762, 0.4450
Android (android.graphics.Color)	4290955370 (0xFFC2C86A)
YUV	187.4900, -40.1746, 5.7093
Hunter-Lab	73.3611, -17.6631, 33.8753

Details

The RYB color **106, 200, 112** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **112, 106, 200**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **159, 255, 162**, and **55, 146, 63** is the 20% darker color. If you saturate the color by 10%, you get **86, 200, 93**, and if you desaturate by 10%, it is **126, 200, 131**.

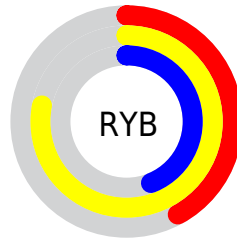
Distribution



Red (76%)

Green (78%)

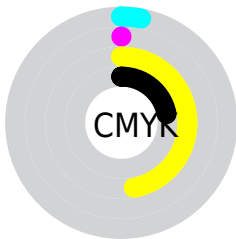
Blue (42%)



Red (42%)

Yellow (78%)

Blue (44%)

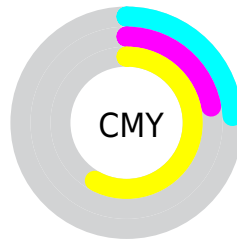


Cyan (3%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (24%)

Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 200, 112 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 106, 200, 112 by changing the saturation by 10% instead.

 106, 200, 112

255, 255, 255


 159, 255, 162

 187, 255, 187

 215, 255, 215

 244, 255, 244

 106, 200, 112

 80, 173, 87

 55, 146, 63

 29, 121, 38

 0, 96, 10

 0, 72, 11

 0, 50, 14

 0, 29, 23

 0, 0, 0

 106, 200, 112

 106, 200, 112

86, 200, 93

126, 200, 131

66, 200, 75

146, 200, 149

46, 200, 56

166, 200, 168

26, 200, 37

186, 200, 187

6, 200, 18

200, 200, 206

0, 200, 13

202, 200, 226

203, 200, 246

204, 200, 255

205, 200, 255

Harmonies

Analogous

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



191, 237, 105



106, 200, 112



132, 211, 201

Triad

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



106, 200, 112



0, 116, 255



255, 159, 213

Complementary

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



106, 200, 112



112, 106, 200

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.



233, 172, 254



106, 200, 112



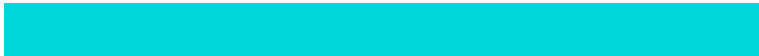
83, 154, 255

Square

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



106, 200, 112



0, 109, 221



172, 186, 255



255, 158, 167

Rectangle

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



106, 200, 112



101, 176, 215



172, 186, 255



255, 162, 228

Sweetspot

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



106, 200, 112



219, 255, 221



200, 111, 106



106, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



106, 200, 112



112, 255, 121



106, 200, 158



90, 99, 90



0, 163, 10



0, 36, 3

Inverse Universe

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



112, 106, 200



121, 112, 255



158, 106, 200



90, 90, 99



10, 0, 163



2, 0, 36

Previews

White Background



This preview shows how the RYB color 106, 200, 112 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 106, 200, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

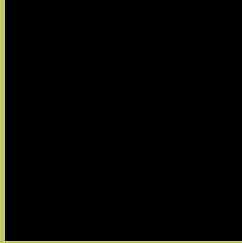
Any Text WCAG AA ✓ Pass

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 106, 200, 112 Background



This preview shows how black text looks on a background with the RYB color 106, 200, 112.



This preview shows how white text looks on a background with the RYB color 106, 200, 112.

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
106, 200, 112

Protanopia
127, 213, 104

Deuteranopia
196, 236, 110



Tritanopia
205, 189, 204

Trichromacy



Original Color
106, 200, 112

Protanomaly
116, 206, 105

Deuteranomaly
152, 221, 109

Tritanomaly
179, 201, 168

Monochromacy



Original Color
106, 200, 112

Achromatopsia
187, 187, 187

Achromatomaly
158, 192, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 200, 112 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(194, 200, 106)` looks like.

```
.text, #text, p{  
    color:rgb(194, 200, 106)  
}
```

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(194, 200, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 200, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 200, 112 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(194, 200, 106) }
```

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

```
.border{ border-color:rgb(194, 200, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 200, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(194, 200,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 200, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 200, 106) }
```

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

```
.background{ background-color: rgb(194,  
200, 106) }
```

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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