

Converting Colors

`RYB(112, 209, 155)`

Have a look what the booklet for
RYB(112, 209, 155) contains.

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Color

R_YB(112, 209, 155)

Conversions

Conversions Part 1

Format	Color
Hex	A6D170
RGB	166, 209, 112
RGB Percent	65%, 82%, 44%
CMY	0.3490, 0.1804, 0.5608
CMYK	0.21, 0.00, 0.46, 0.18
HSL	87°, 51%, 63%
HSV	87°, 46%, 82%
XYZ	41.4510, 54.8778, 23.7370
YIQ	185.0850, 5.5090, -39.2830

Conversions

Conversions Part 2

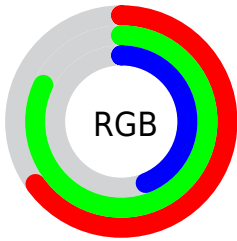
Format	Color
R _{YB}	112, 209, 155
Decimal	10932592
CIE Lab	78.97, -30.19, 43.37
CIE LCh	79, 52.843, 124.836
Yxy	54.8778, 0.3452, 0.4571
Android (android.graphics.Color)	4289122672 (0xFFA6D170)
YUV	185.0850, -36.0309, -16.7375
Hunter-Lab	74.0795, -29.7600, 32.8576

Details

The RYB color **112, 209, 155** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **155, 112, 209**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **165, 255, 197**, and **61, 154, 103** is the 20% darker color. If you saturate the color by 10%, you get **91, 209, 143**, and if you desaturate by 10%, it is **133, 209, 167**.

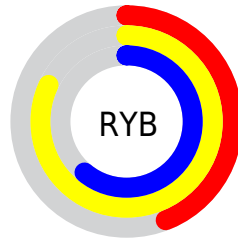
Distribution



Red (65%)

Green (82%)

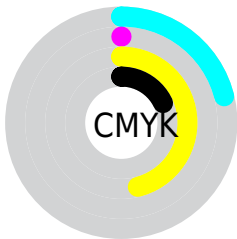
Blue (44%)



Red (44%)

Yellow (82%)

Blue (61%)

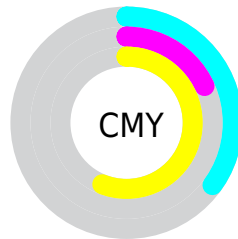


Cyan (21%)

Magenta (0%)

Yellow (46%)

Black (18%)



Cyan (35%)

Magenta (18%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 209, 155 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 112, 209, 155 by changing the saturation by 10% instead.

 112, 209, 155

255, 255, 255


 165, 255, 197


 193, 255, 196


 221, 255, 221


 250, 255, 250

 112, 209, 155

 86, 181, 128

 61, 154, 103

 36, 128, 78

 5, 103, 48

 0, 79, 45

 0, 55, 52

 0, 35, 35

 0, 0, 0

 112, 209, 155

 112, 209, 155

■ 91, 209, 143

■ 133, 209, 167

■ 70, 209, 132

■ 154, 209, 178

■ 49, 209, 120

■ 175, 209, 190

■ 28, 209, 108

■ 196, 209, 202

■ 8, 209, 97

■ 212, 209, 217

■ 0, 209, 93

■ 222, 209, 237

■ 231, 209, 255

■ 240, 209, 255

■ 249, 209, 255

Harmonies

Analogous

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



123, 218, 95



112, 209, 155



101, 182, 217

Triad

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



112, 209, 155



0, 116, 255



255, 155, 189

Complementary

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



112, 209, 155



155, 112, 209

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, 162, 238



112, 209, 155



128, 173, 255

Square

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



112, 209, 155



0, 117, 250



210, 180, 255



255, 166, 142

Rectangle

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



112, 209, 155



8, 124, 220



210, 180, 255



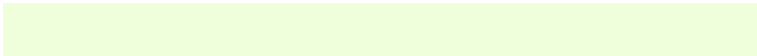
255, 155, 206

Sweetspot

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



112, 209, 155



219, 255, 235



209, 186, 112



106, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



112, 209, 155



112, 255, 175



112, 209, 203



94, 105, 99



0, 168, 74



0, 41, 18

Inverse Universe

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



155, 112, 209



176, 112, 255



203, 112, 209



99, 94, 105



75, 0, 168



18, 0, 41

Previews

White Background



This preview shows how the RYB color 112, 209, 155 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 112, 209, 155 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 112, 209, 155 Background



This preview shows how black text looks on a background with the RYB color 112, 209, 155.

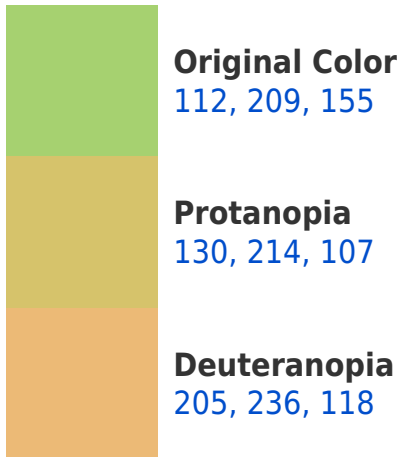


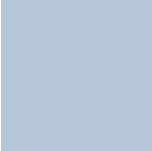
This preview shows how white text looks on a background with the RYB color 112, 209, 155.

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
180, 192, 213

Trichromacy



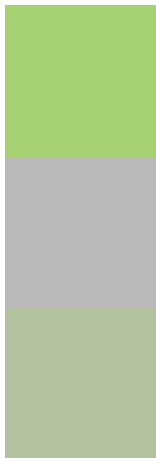
Original Color
112, 209, 155

Protanomaly
109, 200, 112

Deuteranomaly
137, 211, 116

Tritanomaly
175, 201, 202

Monochromacy



Original Color
112, 209, 155

Achromatopsia
185, 185, 185

Achromatomaly
158, 194, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 209, 155 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(166, 209, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 112)  
}
```

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(166, 209, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 209, 155 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(166, 209, 112) }
```

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

```
.border{ border-color:rgb(166, 209, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 209, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 209, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 209, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 209,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 209, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 112) }
```

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

```
.background{ background-color: rgb(166,  
209, 112) }
```

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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