

Converting Colors

`RYB(112, 214, 209)`

Have a look what the booklet for
RYB(112, 214, 209) contains.

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Color

R_YB(112, 214, 209)

Conversions

Conversions Part 1

Format	Color
Hex	75D670
RGB	117, 214, 112
RGB Percent	46%, 84%, 44%
CMY	0.5412, 0.1608, 0.5608
CMYK	0.45, 0.00, 0.48, 0.16
HSL	117°, 55%, 64%
HSV	117°, 48%, 84%
XYZ	34.3073, 53.0449, 23.7597
YIQ	173.3690, -25.0700, -52.2860

Conversions

Conversions Part 2

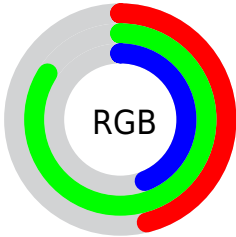
Format	Color
RYB	112, 214, 209
Decimal	7722608
CIELab	77.90, -48.75, 41.49
CIElCh	78, 64.013, 139.597
Yxy	53.0449, 0.3088, 0.4774
Android (android.graphics.Color)	4285912688 (0xFF75D670)
YUV	173.3690, -30.2549, -49.4356
Hunter-Lab	72.8319, -43.3738, 31.6404

Details

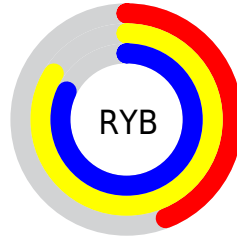
The RYB color **112, 214, 209** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **209, 112, 214**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **165, 255, 246**, and **59, 156, 158** is the 20% darker color. If you saturate the color by 10%, you get **91, 214, 208**, and if you desaturate by 10%, it is **133, 214, 210**.

Distribution



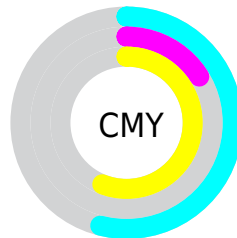
- Red (46%)
- Green (84%)
- Blue (44%)



- Red (44%)
- Yellow (84%)
- Blue (82%)



- Cyan (45%)
- Magenta (0%)
- Yellow (48%)
- Black (16%)



- Cyan (54%)
- Magenta (16%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 214, 209 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, 214, 209 by changing the saturation by 10% instead.

 112, 214, 209

255, 255, 255


 165, 255, 246


 193, 255, 245


 221, 255, 244

 250, 255, 250

 112, 214, 209

 86, 186, 184

 59, 156, 158

 22, 120, 132

 0, 100, 106

 0, 81, 81

 0, 56, 56

 0, 35, 35

 0, 0, 0

 112, 214, 209

 112, 214, 209

■ 91, 214, 208

■ 133, 214, 210

■ 69, 214, 207

■ 155, 214, 211

■ 48, 214, 206

■ 176, 214, 212

■ 26, 214, 204

■ 198, 214, 214

■ 5, 214, 204

■ 219, 214, 219

■ 0, 214, 204

■ 239, 214, 240

■ 255, 214, 255

Harmonies

Analogous

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



73, 201, 86



112, 214, 209



0, 125, 221

Triad

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



112, 214, 209



0, 114, 255



255, 142, 156

Complementary

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



112, 214, 209



209, 112, 214

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, 142, 216



112, 214, 209



159, 179, 255

Square

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



112, 214, 209



0, 117, 255



245, 161, 255



255, 191, 104

Rectangle

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



112, 214, 209



0, 114, 222



245, 161, 255



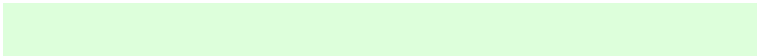
255, 139, 176

Sweetspot

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



112, 214, 209



219, 255, 253



117, 214, 112



106, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



112, 214, 209



110, 255, 248



112, 182, 214



96, 107, 106



0, 171, 163



0, 43, 41

Inverse Universe

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



209, 112, 214



248, 110, 255



214, 112, 168



107, 96, 107



162, 0, 171



41, 0, 43

Previews

White Background



This preview shows how the RYB color 112, 214, 209 looks on a white background.

Color Contrast Check

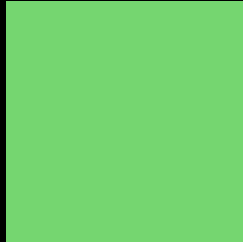
Large Text (above 18pt) WCAG AA × Fail

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, 214, 209 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, 214, 209 Background



This preview shows how black text looks on a background with the RYB color 112, 214, 209.

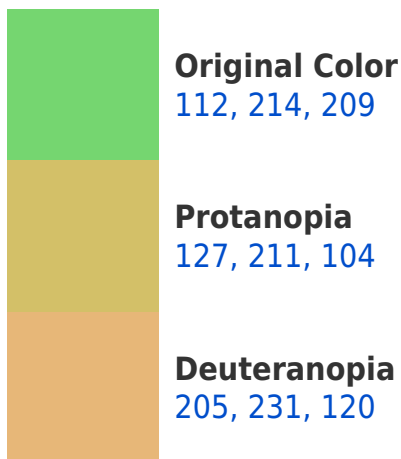


This preview shows how white text looks on a background with the RYB color 112, 214, 209.

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
138, 174, 218

Trichromacy



Original Color

112, 214, 209



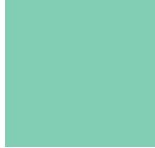
Protanomaly

107, 200, 130



Deuteranomaly

117, 194, 121



Tritanomaly

130, 176, 206

Monochromacy



Original Color

112, 214, 209



Achromatopsia

173, 173, 173



Achromatomaly

151, 188, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 214, 209 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(117, 214, 112)` looks like.

```
.text, #text, p{  
    color:rgb(117, 214, 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(117, 214, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 214, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 214, 209 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(117, 214, 112) }
```

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

```
.border{ border-color:rgb(117, 214, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 214, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 214, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 214, 112);  
box-shadow:4px 4px 4px 4px rgb(117, 214,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 214, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 214, 112) }
```

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

```
.background{ background-color: rgb(117,  
214, 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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