

Converting Colors

`RYB(114, 220, 112)`

Have a look what the booklet for
RYB(114, 220, 112) contains.

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Color

R_{YB}(114, 220, 112)

Conversions

Conversions Part 1

Format	Color
Hex	DCDA70
RGB	220, 218, 112
RGB Percent	86%, 85%, 44%
CMY	0.1373, 0.1450, 0.5608
CMYK	0.00, 0.01, 0.49, 0.14
HSL	59°, 61%, 65%
HSV	59°, 49%, 86%
XYZ	57.5207, 66.5472, 25.1425
YIQ	206.5140, 35.2180, -32.5420

Conversions

Conversions Part 2

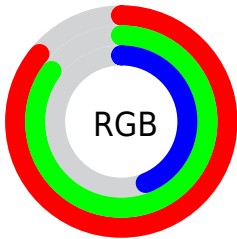
Format	Color
RYB	114, 220, 112
Decimal	14473840
CIELab	85.27, -13.60, 51.91
CIELCh	85, 53.664, 104.683
Yxy	66.5472, 0.3855, 0.4460
Android (android.graphics.Color)	4292663920 (0xFFDCDA70)
YUV	206.5140, -46.5954, 11.8272
Hunter-Lab	81.5764, -16.8960, 38.8299

Details

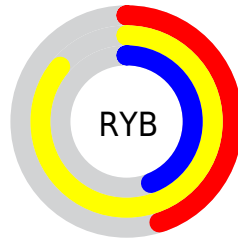
The RYB color **114, 220, 112** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **112, 114, 220**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **166, 255, 166**, and **60, 163, 60** is the 20% darker color. If you saturate the color by 10%, you get **92, 220, 90**, and if you desaturate by 10%, it is **136, 220, 134**.

Distribution



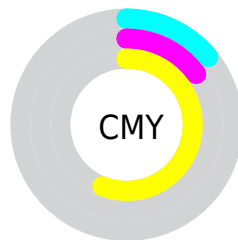
- Red (86%)
- Green (85%)
- Blue (44%)



- Red (45%)
- Yellow (86%)
- Blue (44%)



- Cyan (0%)
- Magenta (1%)
- Yellow (49%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 114, 220, 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 114, 220, 112 by changing the saturation by 10% instead.

 114, 220, 112

255, 255, 255


 166, 255, 166


 194, 255, 194

 222, 255, 222


 252, 255, 252

 114, 220, 112

 87, 191, 86

 60, 163, 60

 33, 137, 35

 0, 112, 4

 0, 88, 6

 0, 64, 8

 0, 42, 11

 0, 23, 23

 0, 0, 0

114, 220, 112

114, 220, 112

92, 220, 90

136, 220, 134

71, 220, 68

157, 220, 156

49, 220, 46

179, 220, 178

28, 220, 24

200, 220, 200

6, 220, 2

220, 220, 222

4, 220, 0

220, 220, 244

220, 221, 255

220, 222, 255

Harmonies

Analogous

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



202, 255, 114



114, 220, 112



139, 231, 207

Triad

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



114, 220, 112



0, 123, 255



255, 175, 241

Complementary

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



114, 220, 112



112, 114, 220

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.



250, 190, 255



114, 220, 112



61, 150, 255

Square

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



114, 220, 112



0, 120, 239



176, 200, 255



255, 172, 190

Rectangle

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



114, 220, 112



118, 201, 236



176, 200, 255



255, 179, 255

Sweetspot

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



114, 220, 112



218, 255, 217



220, 112, 116



106, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



114, 220, 112



108, 255, 105



112, 220, 162



100, 110, 99



3, 173, 0



1, 46, 0

Inverse Universe

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



112, 114, 220



105, 107, 255



162, 112, 220



99, 99, 110



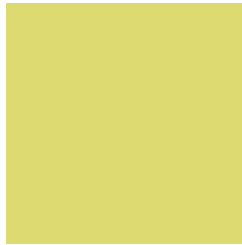
0, 3, 173



0, 1, 46

Previews

White Background



This preview shows how the RYB color 114, 220, 112 looks on a white background.

Color Contrast Check

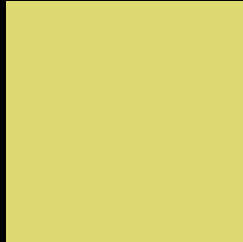
Large Text (above 18pt) WCAG AA × Fail

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 114, 220, 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

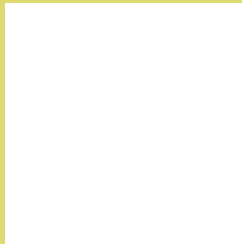
Any Text WCAG AAA ✓ Pass

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

RYB 114, 220, 112 Background



This preview shows how black text looks on a background with the RYB color 114, 220, 112.



This preview shows how white text looks on a background with the RYB color 114, 220, 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
114, 220, 112

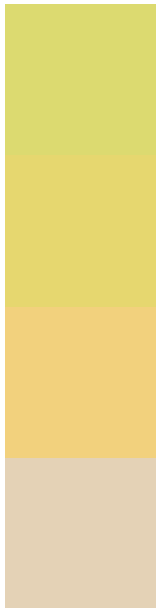
Protanopia
137, 235, 110

Deuteranopia
221, 255, 133



Tritanopia
232, 206, 222

Trichromacy



Original Color
114, 220, 112

Protanomaly
128, 230, 111

Deuteranomaly
171, 242, 125

Tritanomaly
212, 228, 182

Monochromacy



Original Color
114, 220, 112

Achromatopsia
207, 207, 207

Achromatomaly
173, 212, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 114, 220, 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(220, 218, 112)` looks like.

```
.text, #text, p{  
    color:rgb(220, 218, 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(220, 218, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 218, 112) }
```

Border

The CSS property to change the border of an element to RYB 114, 220, 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(220, 218, 112) }
```

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

```
.border{ border-color:rgb(220, 218, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 218, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 218, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 218, 112);  
box-shadow:4px 4px 4px 4px rgb(220, 218,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 114, 220, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 218, 112) }
```

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

```
.background{ background-color: rgb(220,  
218, 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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