Converting Colors

RYB(114, 190, 224)

Have a look what the booklet for RYB(114, 190, 224) contains.

Color

RYB(114, 190, 224)

Conversions

Conversions Part 1

Format	Color
Hex	72E0A3
RGB	114, 224, 163
RGB Percent	45%, 88%, 64%
CMY	0.5529, 0.1216, 0.3600
CMYK	0.49, 0.00, 0.27, 0.12
HSL	147°, 64%, 66%
HSV	147°, 49%, 88%
XYZ	40.2248, 59.5406, 44.1217
YIQ	184.1560, -45.9790, -42.2910

Conversions

Conversions Part 2

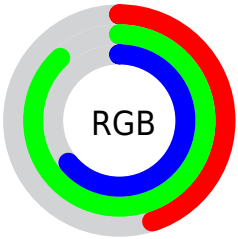
Format	Color
RYB	114, 190, 224
Decimal	7528611
CIELab	81.59, -45.24, 20.26
CIELCh	82, 49.569, 155.882
Yxy	59.5406, 0.2796, 0.4138
Android (android.graphics.Color)	4285718691 (0xFF72E0A3)
YUV	184.1560, -10.4299, -61.5268
Hunter-Lab	77.1626, -41.9825, 20.1116

Details

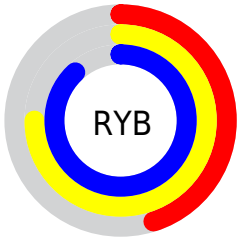
The RYB color 114, 190, 224 is a light color, and the websafe version is hex 66CC99. A complement of this color would be 224, 114, 175, and the grayscale version is 184, 184, 184.

A 20% lighter version of the original color is 172, 225, 255, and 54, 130, 168 is the 20% darker color. If you saturate the color by 10%, you get 92, 183, 224, and if you desaturate by 10%, it is 136, 197, 224.

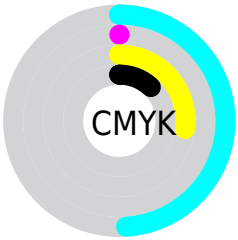
Distribution



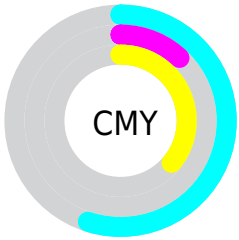
- Red (45%)
- Green (88%)
- Blue (64%)



- Red (45%)
- Yellow (75%)
- Blue (88%)



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)



- Cyan (55%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 114, 190, 224 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, 190, 224 by changing the saturation by 10% instead.

114, 190, 224

255, 255, 255

172, 225, 255

201, 230, 255

230, 243, 255

114, 190, 224

85, 161, 196

54, 130, 168

9, 92, 141

0, 74, 115

0, 61, 89

0, 50, 65

0, 43, 43

0, 11, 11

0, 0, 0

114, 190, 224	114, 190, 224
92, 183, 224	136, 197, 224
69, 176, 224	159, 204, 224
47, 169, 224	181, 211, 224
24, 162, 224	204, 218, 224
2, 156, 224	226, 224, 225
0, 155, 224	248, 224, 237
	255, 224, 250
	255, 224, 255

Harmonies

Analogous

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

125, 216, 167

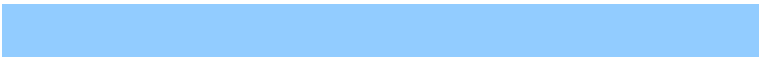
114, 190, 224

0, 118, 227

Triad

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

114, 190, 224



146, 184, 255

255, 177, 151

Complementary

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

114, 190, 224

224, 114, 175

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, 165, 195

114, 190, 224

219, 187, 255

Square

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

114, 190, 224

18, 126, 255

255, 171, 242

253, 255, 118

Rectangle

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

114, 190, 224

0, 117, 242

255, 171, 242

255, 168, 165

Sweetspot

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

114, 190, 224

217, 243, 255

114, 224, 162

105, 121, 128

0, 0, 0

128, 128, 128

Same Dimension

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

114, 190, 224

105, 209, 255

114, 171, 224

101, 109, 112

0, 121, 176

0, 33, 48

Inverse Universe

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

224, 114, 175

255, 105, 188

224, 114, 121

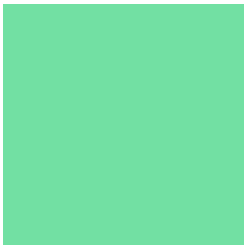
112, 101, 107

176, 0, 97

48, 0, 27

Previews

White Background

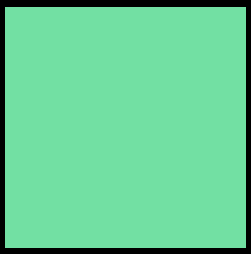


This preview shows how the RYB color 114, 190, 224 looks on a white background.

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, 190, 224 looks on a black background.

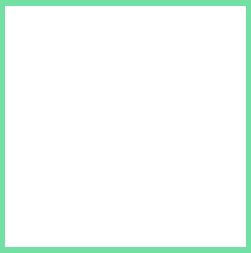
Color Contrast Check

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, 190, 224 Background

This preview shows how black text looks on a background with the RYB color 114, 190, 224.

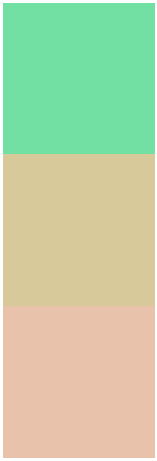


This preview shows how white text looks on a background with the RYB color 114, 190, 224.

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



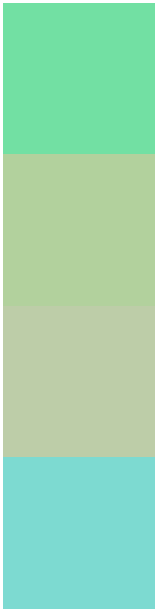
Original Color
114, 190, 224

Protanopia
171, 215, 153

Deuteranopia
232, 209, 170

Tritanopia
132, 177, 232

Trichromacy



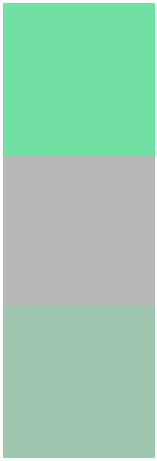
Original Color
114, 190, 224

Protanomaly
157, 209, 188

Deuteranomaly
168, 205, 184

Tritanomaly
125, 174, 218

Monochromacy



Original Color
114, 190, 224

Achromatopsia
184, 184, 184

Achromatomaly
159, 187, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 114, 190, 224 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(114, 224, 163) looks like.

```
.text, #text, p{
    color:rgb(114, 224, 163)
}
```

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(114, 224, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 224, 163) }
```

Border

The CSS property to change the border of an element to RYB 114, 190, 224 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(114, 224, 163) }
```

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

```
.border{ border-color:rgb(114, 224, 163) }
```

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

Here you see how a box with a 4 pixel rgb(114, 224, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 224, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 224, 163); box-shadow:4px 4px 4px 4px rgb(114, 224, 163) }
```

Background

The CSS property to change the background color of an element to RYB 114, 190, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(114, 224, 163) }
```

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

```
.background{ background-color:rgb(114,
224, 163) }
```

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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