Converting Colors

RYB(150, 255, 230)

Have a look what the booklet for RYB(150, 255, 230) contains.

Color

RYB(150, 255, 230)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF96
RGB	175, 255, 150
RGB Percent	69%, 100%, 59%
CMY	0.3137, 0.0000, 0.4118
CMYK	0.31, 0.00, 0.41, 0.00
HSL	106°, 100%, 79%
HSV	106°, 41%, 100%
XYZ	58.9442, 82.8360, 41.7364
YIQ	219.1100, -13.9750, -49.6150

Conversions

Conversions Part 2

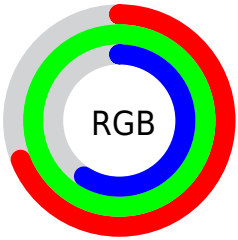
Format	Color
RYB	150, 255, 230
Decimal	11534230
CIELab	92.94, -43.19, 42.55
CIELCh	93, 60.630, 135.430
Yxy	82.8360, 0.3212, 0.4514
Android (android.graphics.Color)	4289724310 (0xFFAFFF96)
YUV	219.1100, -34.0712, -38.6845
Hunter-Lab	91.0143, -43.6717, 36.5214

Details

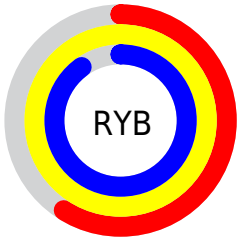
The RYB color 150, 255, 230 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 230, 150, 255, and the grayscale version is 219, 219, 219.

A 20% lighter version of the original color is 205, 255, 227, and 97, 198, 176 is the 20% darker color. If you saturate the color by 10%, you get 125, 255, 224, and if you desaturate by 10%, it is 176, 255, 237.

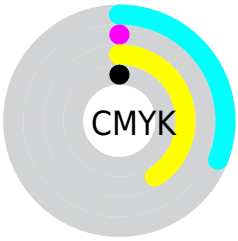
Distribution



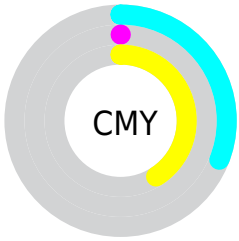
- Red (69%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 255, 230 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 150, 255, 230 by changing the saturation by 10% instead.

150, 255, 230

255, 255, 255

205, 255, 227

234, 255, 234

150, 255, 230

123, 226, 202

97, 198, 176

72, 170, 150

47, 143, 126

20, 117, 104

0, 92, 92

0, 67, 67

0, 45, 45

0, 18, 18

150, 255, 230

125, 255, 224

99, 255, 218

74, 255, 212

48, 255, 206

23, 255, 200

0, 255, 194

150, 255, 230

176, 255, 237

201, 255, 242

227, 255, 249

252, 255, 254

255, 255, 255

Harmonies

Analogous

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

118, 241, 118

150, 255, 230

83, 184, 255

Triad

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

150, 255, 230

40, 146, 255

255, 187, 207

Complementary

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

150, 255, 230

230, 150, 255

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, 190, 255

150, 255, 230

194, 217, 255

Square

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

150, 255, 230

0, 128, 255

255, 208, 255

255, 242, 154

Rectangle

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

150, 255, 230

0, 130, 255

255, 208, 255

255, 186, 226

Sweetspot

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

150, 255, 230

224, 255, 247

185, 255, 150

110, 128, 124

0, 0, 0

128, 128, 128

Same Dimension

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

150, 255, 230

130, 255, 225

150, 234, 255

115, 128, 125

0, 191, 145

0, 64, 49

Inverse Universe

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

230, 150, 255

225, 130, 255

255, 150, 229

124, 115, 128

146, 0, 191

49, 0, 64

Previews

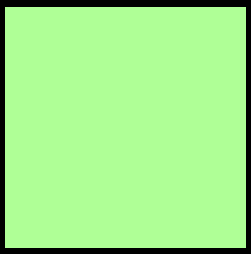
White Background

This preview shows how the RYB color 150, 255, 230 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



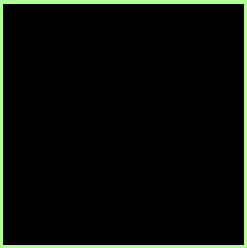
This preview shows how the RYB color 150, 255, 230 looks on a black background.

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 150, 255, 230 Background



This preview shows how black text looks on a background with the RYB color 150, 255, 230.

This preview shows how white text looks on a background with the RYB color 150, 255, 230.

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
150, 255, 230

Protanopia
170, 255, 144

Deuteranopia
255, 251, 205

Tritanopia
204, 225, 255

Trichromacy

Original Color
150, 255, 230

Protanomaly
146, 242, 162

Deuteranomaly
185, 238, 197

Tritanomaly
193, 229, 245

Monochromacy

Original Color
150, 255, 230

Achromatopsia
219, 219, 219

Achromatomaly
194, 232, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 255, 230 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(175, 255, 150) looks like.

```
.text, #text, p{
    color:rgb(175, 255, 150)
}
```

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(175, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 150) }
```

Border

The CSS property to change the border of an element to RYB 150, 255, 230 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(175, 255, 150) }
```

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

```
.border{ border-color:rgb(175, 255, 150) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 255, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 255, 150); box-shadow:4px 4px 4px 4px rgb(175, 255, 150) }
```

Background

The CSS property to change the background color of an element to RYB 150, 255, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(175, 255, 150) }
```

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

```
.background{ background-color:rgb(175,
255, 150) }
```

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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