Converting Colors

RYB(153, 207, 249)

Have a look what the booklet for RYB(153, 207, 249) contains.

Color

RYB(153, 207, 249)

Conversions

Conversions Part 1

Format	Color
Hex	99F9E4
RGB	153, 249, 228
RGB Percent	60%, 98%, 89%
CMY	0.4000, 0.0235, 0.1072
CMYK	0.39, 0.00, 0.09, 0.02
HSL	167°, 89%, 79%
HSV	167°, 39%, 98%
XYZ	60.9699, 80.1066, 85.4051
YIQ	217.9020, -50.4750, -26.8830

Conversions

Conversions Part 2

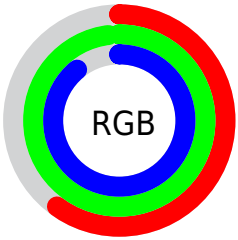
Format	Color
RYB	153, 207, 249
Decimal	10090980
CIELab	91.73, -33.15, 1.30
CIELCh	92, 33.174, 177.756
Yxy	80.1066, 0.2692, 0.3537
Android (android.graphics.Color)	4288281060 (0xFF99F9E4)
YUV	217.9020, 4.9783, -56.9191
Hunter-Lab	89.5023, -35.0329, 6.0758

Details

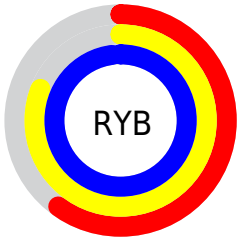
The RYB color 153, 207, 249 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 249, 153, 174, and the grayscale version is 218, 218, 218.

A 20% lighter version of the original color is 211, 233, 255, and 96, 149, 192 is the 20% darker color. If you saturate the color by 10%, you get 128, 196, 249, and if you desaturate by 10%, it is 178, 218, 249.

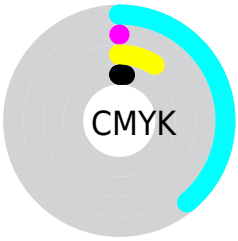
Distribution



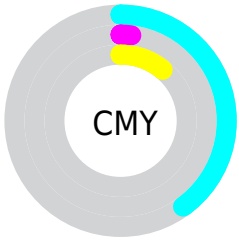
- Red (60%)
- Green (98%)
- Blue (89%)



- Red (60%)
- Yellow (81%)
- Blue (98%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (40%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 207, 249 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 153, 207, 249 by changing the saturation by 10% instead.

153, 207, 249

255, 255, 255

211, 233, 255

240, 248, 255

153, 207, 249

125, 178, 220

96, 150, 192

67, 121, 165

35, 91, 138

0, 61, 112

0, 48, 87

0, 35, 63

0, 24, 41

0, 10, 12

153, 207, 249

128, 196, 249

103, 185, 249

78, 174, 249

53, 163, 249

29, 153, 249

4, 142, 249

0, 140, 249

153, 207, 249

178, 218, 249

203, 229, 249

228, 240, 249

253, 249, 250

255, 249, 255

Harmonies

Analogous

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

186, 237, 246

153, 207, 249

136, 194, 255

Triad

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

153, 207, 249

233, 224, 255

251, 255, 179

Complementary

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

153, 207, 249

249, 153, 174

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, 211, 203

153, 207, 249

255, 214, 255

Square

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

153, 207, 249

188, 216, 255

255, 208, 235

207, 255, 168

Rectangle

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

153, 207, 249

141, 196, 255

255, 208, 235

255, 238, 185

Sweetspot

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

153, 207, 249

224, 241, 255

153, 249, 227

110, 120, 128

0, 0, 0

128, 128, 128

Same Dimension

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

153, 207, 249

138, 204, 255

153, 193, 249

112, 119, 125

0, 106, 189

0, 34, 61

Inverse Universe

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

249, 153, 174

255, 138, 164

249, 189, 153

125, 112, 115

189, 0, 42

61, 0, 14

Previews

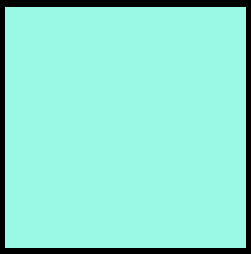
White Background

This preview shows how the RYB color 153, 207, 249 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



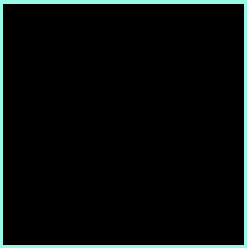
This preview shows how the RYB color 153, 207, 249 looks on a black background.

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 153, 207, 249 Background



This preview shows how black text looks on a background with the RYB color 153, 207, 249.

This preview shows how white text looks on a background with the RYB color 153, 207, 249.

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
153, 207, 249

Protanopia
230, 237, 217

Deuteranopia
251, 223, 233

Tritanopia
183, 215, 255

Trichromacy

Original Color
153, 207, 249

Protanomaly
206, 226, 236

Deuteranomaly
215, 224, 232

Tritanomaly
172, 208, 245

Monochromacy

Original Color
153, 207, 249

Achromatopsia
218, 218, 218

Achromatomaly
194, 213, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 207, 249 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(153, 249, 228) looks like.

```
.text, #text, p{
    color:rgb(153, 249, 228)
}
```

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(153, 249, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 249, 228) }
```

Border

The CSS property to change the border of an element to RYB 153, 207, 249 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(153, 249, 228) }
```

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

```
.border{ border-color:rgb(153, 249, 228) }
```

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

Here you see how a box with a 4 pixel rgb(153, 249, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 249, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 249, 228); box-shadow:4px 4px 4px 4px rgb(153, 249, 228) }
```

Background

The CSS property to change the background color of an element to RYB 153, 207, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(153, 249, 228) }
```

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

```
.background{ background-color:rgb(153,
249, 228) }
```

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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