Converting Colors

RYB(165, 208, 240)

Have a look what the booklet for RYB(165, 208, 240) contains.

Color

RYB(165, 208, 240)

Conversions

Conversions Part 1

Format	Color
Hex	A5F0DD
RGB	165, 240, 221
RGB Percent	65%, 94%, 87%
CMY	0.3529, 0.0588, 0.1341
CMYK	0.31, 0.00, 0.08, 0.06
HSL	165°, 71%, 79%
HSV	165°, 31%, 94%
XYZ	59.7035, 75.5301, 79.7088
YIQ	215.4090, -38.6010, -21.8090

Conversions

Conversions Part 2

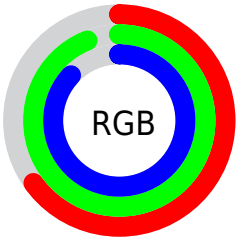
Format	Color
RYB	165, 208, 240
Decimal	10875101
CIELab	89.64, -27.14, 1.89
CIELCh	90, 27.203, 176.021
Yxy	75.5301, 0.2778, 0.3514
Android (android.graphics.Color)	4289065181 (0xFFA5F0DD)
YUV	215.4090, 2.7564, -44.2087
Hunter-Lab	86.9080, -29.4643, 6.4571

Details

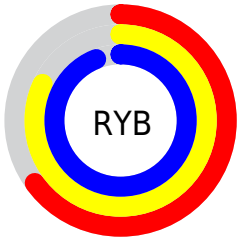
The RYB color 165, 208, 240 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 240, 165, 184, and the grayscale version is 215, 215, 215.

A 20% lighter version of the original color is 222, 239, 255, and 110, 152, 184 is the 20% darker color. If you saturate the color by 10%, you get 141, 198, 240, and if you desaturate by 10%, it is 189, 218, 240.

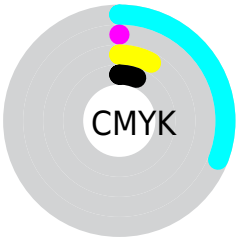
Distribution



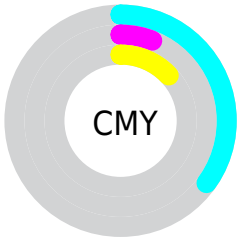
- Red (65%)
- Green (94%)
- Blue (87%)



- Red (65%)
- Yellow (82%)
- Blue (94%)



- Cyan (31%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (35%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 208, 240 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 165, 208, 240 by changing the saturation by 10% instead.

165, 208, 240	165, 208, 240
255, 255, 255	137, 180, 212
222, 239, 255	110, 152, 184
251, 253, 255	84, 126, 157
	57, 98, 130
	27, 70, 105
	0, 44, 80
	0, 32, 57
	0, 22, 36
	0, 0, 0

165, 208, 240	165, 208, 240
141, 198, 240	189, 218, 240
117, 187, 240	213, 229, 240
93, 177, 240	237, 239, 240
69, 167, 240	255, 240, 245
45, 157, 240	255, 240, 252
21, 147, 240	255, 240, 255
0, 137, 240	

Harmonies

Analogous

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

191, 232, 237

165, 208, 240

152, 198, 247

Triad

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

165, 208, 240

225, 220, 255

255, 237, 183

Complementary

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

165, 208, 240

240, 165, 184

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, 208, 204

165, 208, 240

255, 212, 255

Square

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

165, 208, 240

190, 214, 255

255, 207, 230

214, 248, 174

Rectangle

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

165, 208, 240

156, 201, 255

255, 207, 230

255, 224, 189

Sweetspot

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

165, 208, 240

232, 245, 255

165, 240, 220

113, 122, 128

0, 0, 0

128, 128, 128

Same Dimension

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

165, 208, 240

158, 214, 255

165, 197, 240

108, 115, 120

0, 105, 184

0, 32, 56

Inverse Universe

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

240, 165, 184

255, 158, 183

240, 189, 165

120, 108, 111

184, 0, 47

56, 0, 14

Previews

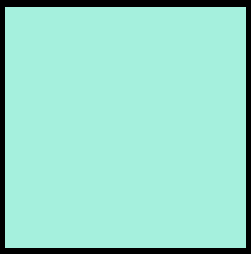
White Background

This preview shows how the RYB color 165, 208, 240 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



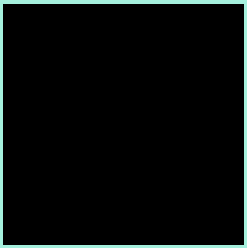
This preview shows how the RYB color 165, 208, 240 looks on a black background.

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 165, 208, 240 Background



This preview shows how black text looks on a background with the RYB color 165, 208, 240.

This preview shows how white text looks on a background with the RYB color 165, 208, 240.

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
165, 208, 240

Protanopia
223, 231, 212

Deuteranopia
245, 217, 226

Tritanopia
172, 208, 254

Trichromacy

Original Color
165, 208, 240

Protanomaly
207, 224, 230

Deuteranomaly
216, 221, 225

Tritanomaly
169, 204, 242

Monochromacy

Original Color
165, 208, 240

Achromatopsia
215, 215, 215

Achromatomaly
197, 213, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 208, 240 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(165, 240, 221) looks like.

```
.text, #text, p{
    color:rgb(165, 240, 221)
}
```

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(165, 240, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 240, 221) }
```

Border

The CSS property to change the border of an element to RYB 165, 208, 240 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(165, 240, 221) }
```

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

```
.border{ border-color:rgb(165, 240, 221) }
```

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

Here you see how a box with a 4 pixel rgb(165, 240, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 240, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 240, 221); box-shadow:4px 4px 4px 4px rgb(165, 240, 221) }
```

Background

The CSS property to change the background color of an element to RYB 165, 208, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(165, 240, 221) }
```

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

```
.background{ background-color:rgb(165,
240, 221) }
```

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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