

Converting Colors

`RYB(163, 205, 241)`

Have a look what the booklet for
RYB(163, 205, 241) contains.

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Color

R_YB(163, 205, 241)

Conversions

Conversions Part 1

Format	Color
Hex	A3F1E6
RGB	163, 241, 230
RGB Percent	64%, 95%, 90%
CMY	0.3608, 0.0549, 0.0986
CMYK	0.32, 0.00, 0.05, 0.05
HSL	171°, 74%, 79%
HSV	171°, 32%, 95%
XYZ	60.8224, 76.4023, 86.2992
YIQ	216.4240, -42.9570, -19.9570

Conversions

Conversions Part 2

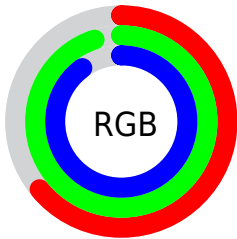
Format	Color
R_{YB}	163, 205, 241
Decimal	10744294
CIE _{Lab}	90.05, -26.23, -2.25
CIE _{LCh}	90, 26.321, 184.905
Yxy	76.4023, 0.2721, 0.3418
Android (android.graphics.Color)	4288934374 (0xFFA3F1E6)
YUV	216.4240, 6.6930, -46.8528
Hunter-Lab	87.4084, -28.7569, 2.6482

Details

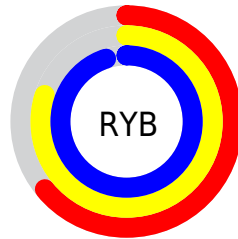
The RYB color **163, 205, 241** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **241, 163, 174**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **220, 238, 255**, and **108, 149, 185** is the 20% darker color. If you saturate the color by 10%, you get **139, 194, 241**, and if you desaturate by 10%, it is **187, 216, 241**.

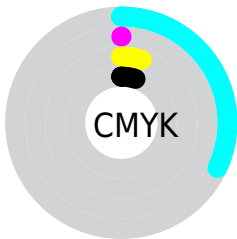
Distribution



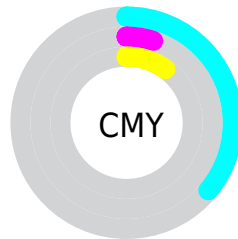
- Red (64%)
- Green (95%)
- Blue (90%)



- Red (64%)
- Yellow (80%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (36%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 205, 241 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 163, 205, 241 by changing the saturation by 10% instead.

 163, 205, 241

255, 255, 255


 220, 238, 255


 249, 252, 255

 163, 205, 241

 135, 177, 213


 108, 149, 185

 81, 122, 158

 53, 94, 131

 20, 65, 106

 0, 42, 81

 0, 31, 58

 0, 20, 36

 0, 1, 6


 163, 205, 241


 163, 205, 241

 139, 194, 241


 187, 216, 241

 115, 183, 241


 211, 227, 241

 91, 172, 241


 235, 238, 241

 67, 161, 241

 255, 241, 244

 43, 150, 241

 255, 241, 247

 18, 138, 241

 255, 241, 251

 0, 130, 241

 255, 241, 254

 255, 241, 255

Harmonies

Analogous

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



185, 225, 239



163, 205, 241



157, 202, 254

Triad

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



163, 205, 241



236, 219, 255



255, 253, 182

Complementary

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



163, 205, 241



241, 163, 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, 214, 199



163, 205, 241



255, 211, 248

Square

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



163, 205, 241



202, 219, 255



255, 209, 223



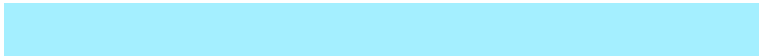
196, 241, 176

Rectangle

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



163, 205, 241



164, 205, 255



255, 209, 223



255, 236, 186

Sweetspot

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



163, 205, 241



230, 244, 255



163, 241, 229



112, 121, 128



0, 0, 0



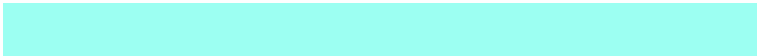
128, 128, 128

Same Dimension

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



163, 205, 241



156, 209, 255



163, 194, 241



108, 115, 120



0, 99, 184



0, 30, 56

Inverse Universe

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



241, 163, 174



255, 156, 170



241, 204, 163



120, 108, 110



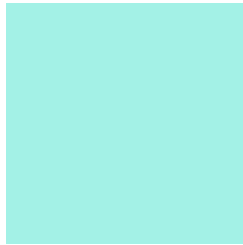
184, 0, 26



56, 0, 8

Previews

White Background



This preview shows how the RYB color 163, 205, 241 looks on a white background.

Color Contrast Check

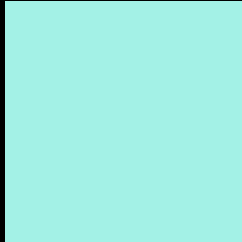
Large Text (above 18pt) WCAG AA × Fail

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 163, 205, 241 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 163, 205, 241 Background



This preview shows how black text looks on a background with the RYB color 163, 205, 241.



This preview shows how white text looks on a background with the RYB color 163, 205, 241.

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





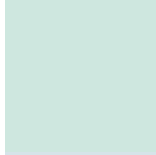
Tritanopia
172, 208, 255

Trichromacy



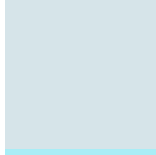
Original Color

163, 205, 241



Protanomaly

206, 221, 231



Deuteranomaly

214, 222, 233



Tritanomaly

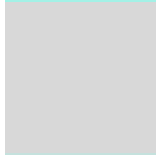
169, 205, 246

Monochromacy



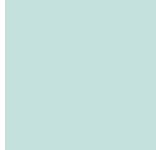
Original Color

163, 205, 241



Achromatopsia

216, 216, 216



Achromatomaly

197, 212, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 205, 241 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(163, 241, 230)` looks like.

```
.text, #text, p{  
    color:rgb(163, 241, 230)  
}
```

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(163, 241, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 241, 230) }
```

Border

The CSS property to change the border of an element to RYB 163, 205, 241 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(163, 241, 230) }
```

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

```
.border{ border-color:rgb(163, 241, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 241, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 241, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 241, 230);  
box-shadow:4px 4px 4px 4px rgb(163, 241,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 163, 205, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 241, 230) }
```

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

```
.background{ background-color: rgb(163,  
241, 230) }
```

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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