

Converting Colors

`RYB(164, 201, 248)`

Have a look what the booklet for
RYB(164, 201, 248) contains.

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Color

R_YB(164, 201, 248)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6F8
RGB	164, 230, 248
RGB Percent	64%, 90%, 97%
CMY	0.3569, 0.0975, 0.0275
CMYK	0.34, 0.07, 0.00, 0.03
HSL	193°, 86%, 81%
HSV	193°, 34%, 97%
XYZ	60.5855, 71.3345, 99.3827
YIQ	212.3180, -45.1140, -8.3940

Conversions

Conversions Part 2

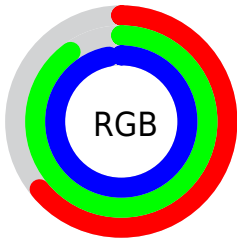
Format	Color
RYB	164, 201, 248
Decimal	10807032
CIELab	87.65, -16.45, -15.30
CIElCh	88, 22.465, 222.937
Yxy	71.3345, 0.2619, 0.3084
Android (android.graphics.Color)	4288997112 (0xFFA4E6F8)
YUV	212.3180, 17.5912, -42.3749
Hunter-Lab	84.4598, -19.7613, -10.6439

Details

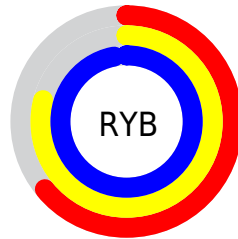
The RYB color **164, 201, 248** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **248, 187, 164**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **221, 238, 255**, and **109, 145, 192** is the 20% darker color. If you saturate the color by 10%, you get **139, 187, 248**, and if you desaturate by 10%, it is **189, 215, 248**.

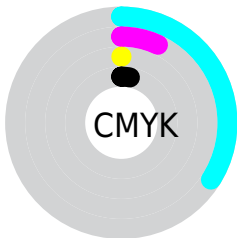
Distribution



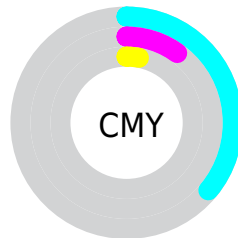
- Red (64%)
- Green (90%)
- Blue (97%)



- Red (64%)
- Yellow (79%)
- Blue (97%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (36%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 201, 248 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 164, 201, 248 by changing the saturation by 10% instead.

 164, 201, 248

 164, 201, 248


255, 255, 255

 136, 173, 219

 221, 238, 255

 109, 146, 192

 251, 253, 255


 81, 118, 164

 53, 91, 138

 20, 62, 113

 0, 40, 88

 0, 28, 65

 0, 18, 43

 0, 1, 23

■ 164, 201, 248

■ 164, 201, 248

■ 139, 187, 248

■ 189, 215, 248

■ 114, 173, 248

■ 214, 229, 248

■ 90, 159, 248

■ 238, 242, 248

■ 65, 146, 248

■ 255, 253, 248

■ 40, 132, 248

■ 248, 255, 248

■ 15, 117, 248

■ 0, 109, 248

Harmonies

Analogous

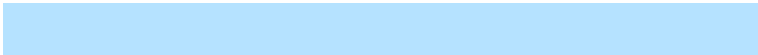
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



164, 199, 232



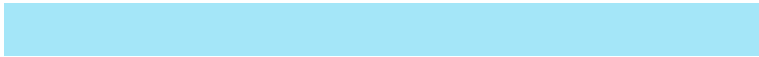
164, 201, 248



181, 209, 255

Triad

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



164, 201, 248



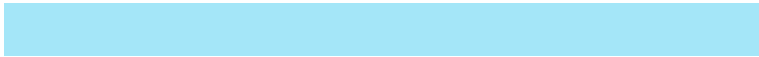
255, 206, 233



185, 227, 178

Complementary

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



164, 201, 248



248, 187, 164

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.



246, 248, 179



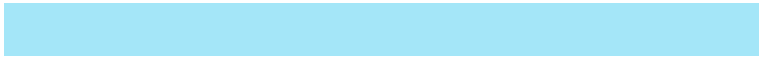
164, 201, 248



255, 205, 211

Square

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



164, 201, 248



235, 211, 251



255, 213, 192



188, 227, 213

Rectangle

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



164, 201, 248



198, 214, 255



255, 213, 192



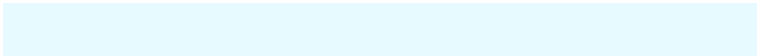
197, 234, 177

Sweetspot

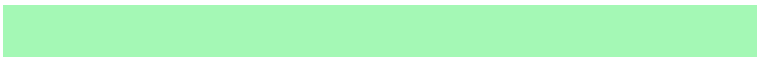
The Sweet Spot groups the original color and five complimentary colors.



164, 201, 248



230, 241, 255



164, 234, 248



112, 119, 128



0, 0, 0



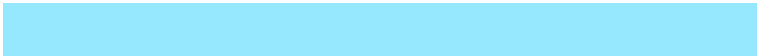
128, 128, 128

Same Dimension

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



164, 201, 248



150, 196, 255



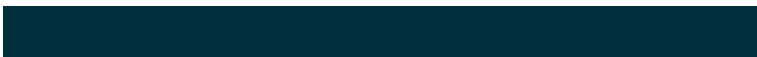
164, 183, 248



112, 118, 125



0, 83, 189



0, 27, 61

Inverse Universe

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



248, 164, 230



255, 150, 233



200, 248, 164



125, 112, 122



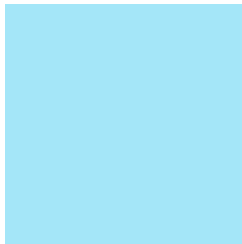
189, 0, 149



61, 0, 48

Previews

White Background



This preview shows how the RYB color 164, 201, 248 looks on a white background.

Color Contrast Check

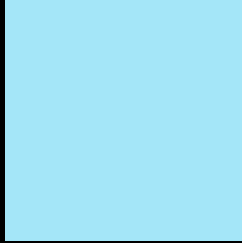
Large Text (above 18pt) WCAG AA × Fail

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 164, 201, 248 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](#).

RYP 164, 201, 248 Background



This preview shows how black text looks on a background with the RYP color 164, 201, 248.



This preview shows how white text looks on a background with the RYP color 164, 201, 248.

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





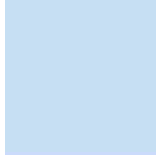
Tritanopia
164, 201, 249

Trichromacy



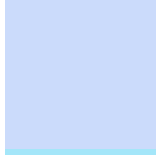
Original Color

164, 201, 248



Protanomaly

198, 214, 243



Deuteranomaly

203, 215, 251



Tritanomaly

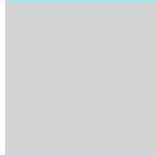
164, 201, 249

Monochromacy



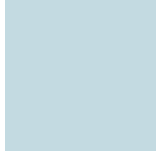
Original Color

164, 201, 248



Achromatopsia

212, 212, 212



Achromatomaly

195, 208, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 201, 248 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(164, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 248)  
}
```

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(164, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 248) }
```

Border

The CSS property to change the border of an element to RYB 164, 201, 248 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(164, 230, 248) }
```

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

```
.border{ border-color:rgb(164, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 164, 201, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 230, 248) }
```

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

```
.background{ background-color: rgb(164,  
230, 248) }
```

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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