

Converting Colors

`RYB(162, 200, 240)`

Have a look what the booklet for
RYB(162, 200, 240) contains.

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Color

R_YB(162, 200, 240)

Conversions

Conversions Part 1

Format	Color
Hex	A2ECF0
RGB	162, 236, 240
RGB Percent	64%, 93%, 94%
CMY	0.3647, 0.0741, 0.0588
CMYK	0.33, 0.02, 0.00, 0.06
HSL	183°, 72%, 79%
HSV	183°, 32%, 94%
XYZ	60.6527, 74.0212, 93.5289
YIQ	214.3300, -45.3880, -14.4440

Conversions

Conversions Part 2

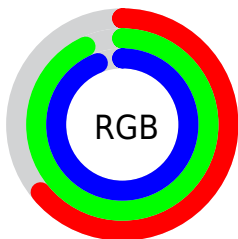
Format	Color
R _{YB}	162, 200, 240
Decimal	10677488
CIE Lab	88.93, -21.83, -9.20
CIE LCh	89, 23.687, 202.857
Yxy	74.0212, 0.2658, 0.3244
Android (android.graphics.Color)	4288867568 (0xFFA2ECF0)
YUV	214.3300, 12.6553, -45.8934
Hunter-Lab	86.0356, -24.7246, -4.2290

Details

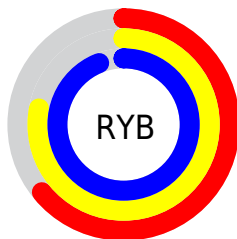
The RYB color **162, 200, 240** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **240, 166, 162**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **219, 237, 255**, and **107, 144, 184** is the 20% darker color. If you saturate the color by 10%, you get **138, 188, 240**, and if you desaturate by 10%, it is **186, 212, 240**.

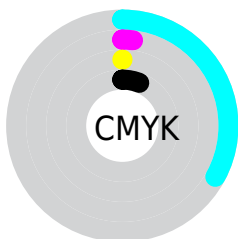
Distribution



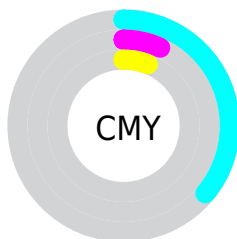
- Red (64%)
- Green (93%)
- Blue (94%)



- Red (64%)
- Yellow (78%)
- Blue (94%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (36%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 200, 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 162, 200, 240 by changing the saturation by 10% instead.


 162, 200, 240


255, 255, 255


 219, 237, 255


 248, 252, 255

 162, 200, 240

 134, 172, 212

 107, 144, 184


 79, 117, 157

 51, 90, 131

 16, 60, 106

 0, 40, 82


 0, 28, 59

 0, 17, 37


 0, 1, 17

 162, 200, 240


 162, 200, 240

 138, 188, 240


 186, 212, 240

 114, 175, 240


 210, 224, 240

 90, 163, 240


 234, 237, 240

 66, 151, 240

 255, 241, 240

 42, 138, 240

 255, 242, 240

 18, 126, 240

 255, 244, 240

 0, 117, 240

 255, 245, 240

 255, 250, 240

 255, 253, 240

Harmonies

Analogous

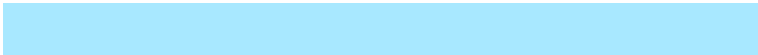
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



174, 211, 236



162, 200, 240



168, 205, 255

Triad

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



162, 200, 240



248, 212, 251



221, 246, 179

Complementary

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



162, 200, 240



240, 166, 162

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, 228, 188



162, 200, 240



255, 208, 230

Square

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



162, 200, 240



220, 219, 255



255, 208, 207



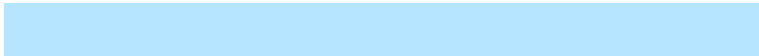
182, 227, 187

Rectangle

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



162, 200, 240



182, 211, 255



255, 208, 207



253, 253, 181

Sweetspot

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



162, 200, 240



230, 242, 255



162, 236, 240



112, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



162, 200, 240



156, 204, 255



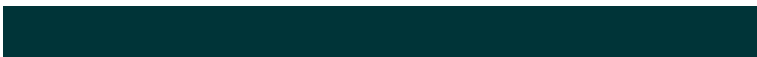
162, 186, 240



108, 114, 120



0, 89, 184



0, 27, 56

Inverse Universe

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



240, 162, 236



255, 156, 250



225, 240, 162



120, 108, 119



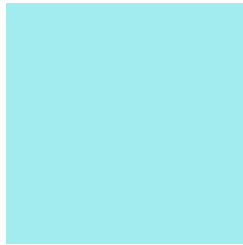
184, 0, 174



56, 0, 53

Previews

White Background



This preview shows how the RYB color 162, 200, 240 looks on a white background.

Color Contrast Check

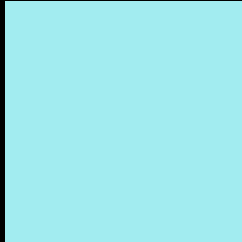
Large Text (above 18pt) WCAG AA × Fail

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 162, 200, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

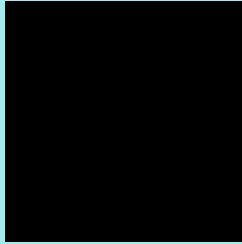
Any Text WCAG AA ✓ Pass

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 162, 200, 240 Background



This preview shows how black text looks on a background with the RYB color 162, 200, 240.

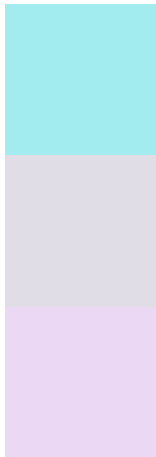


This preview shows how white text looks on a background with the RYB color 162, 200, 240.

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
162, 200, 240

Protanopia
224, 221, 231

Deuteranopia
234, 216, 244



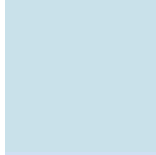
Tritanopia
165, 204, 253

Trichromacy



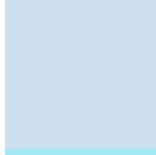
Original Color

162, 200, 240



Protanomaly

201, 215, 234



Deuteranomaly

208, 219, 243



Tritanomaly

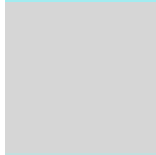
164, 202, 248

Monochromacy



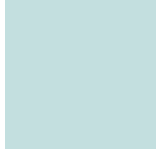
Original Color

162, 200, 240



Achromatopsia

214, 214, 214



Achromatomaly

195, 209, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 200, 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(162, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(162, 236, 240)  
}
```

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(162, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 236, 240) }
```

Border

The CSS property to change the border of an element to RYB 162, 200, 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(162, 236, 240) }
```

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

```
.border{ border-color:rgb(162, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(162, 236,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 162, 200, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 236, 240) }
```

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

```
.background{ background-color: rgb(162,  
236, 240) }
```

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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