

Converting Colors

`RYB(162, 196, 228)`

Have a look what the booklet for
RYB(162, 196, 228) contains.

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Color

R_YB(162, 196, 228)

Conversions

Conversions Part 1

Format	Color
Hex	A2E4E0
RGB	162, 228, 224
RGB Percent	64%, 89%, 88%
CMY	0.3647, 0.1059, 0.1211
CMYK	0.29, 0.00, 0.02, 0.11
HSL	176°, 55%, 76%
HSV	176°, 29%, 89%
XYZ	56.1142, 68.5564, 80.8799
YIQ	207.8100, -38.0520, -15.2360

Conversions

Conversions Part 2

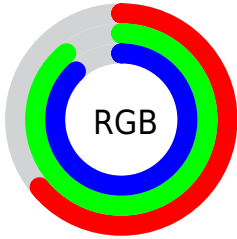
Format	Color
RYB	162, 196, 228
Decimal	10675424
CIELab	86.28, -21.43, -4.78
CIElCh	86, 21.954, 192.571
Yxy	68.5564, 0.2730, 0.3335
Android (android.graphics.Color)	4288865504 (0xFFA2E4E0)
YUV	207.8100, 7.9817, -40.1754
Hunter-Lab	82.7988, -23.9253, 0.0432

Details

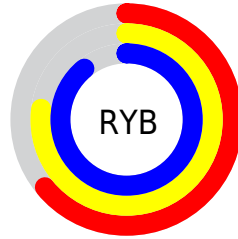
The RYB color **162, 196, 228** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **228, 162, 166**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **219, 237, 255**, and **108, 141, 172** is the 20% darker color. If you saturate the color by 10%, you get **139, 185, 228**, and if you desaturate by 10%, it is **185, 207, 228**.

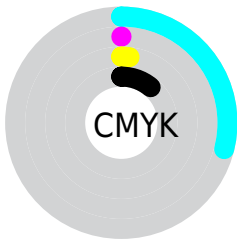
Distribution



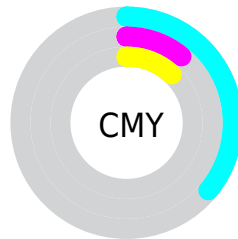
- Red (64%)
- Green (89%)
- Blue (88%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 196, 228 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, 196, 228 by changing the saturation by 10% instead.

 162, 196, 228

255, 255, 255


 219, 237, 255

 248, 252, 255

 162, 196, 228

 135, 169, 200

 108, 141, 172

 81, 114, 146

 55, 88, 120

 26, 61, 95


 0, 36, 71


 0, 24, 48

 0, 15, 29

 0, 0, 0

 162, 196, 228


 162, 196, 228

 139, 185, 228


 185, 207, 228

 116, 174, 228


 208, 218, 228

 94, 163, 228


 230, 228, 228

 71, 152, 228


 253, 228, 229

 48, 141, 228


 255, 228, 231

 25, 130, 228

 255, 228, 232

 2, 118, 228

 255, 228, 234

 0, 117, 228

 255, 228, 235

 255, 228, 236

Harmonies

Analogous

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



177, 210, 227



162, 196, 228



162, 198, 243

Triad

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



162, 196, 228



230, 208, 247



243, 243, 177

Complementary

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



162, 196, 228



228, 162, 166

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, 189



162, 196, 228



250, 203, 229

Square

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



162, 196, 228



204, 213, 255



255, 201, 208



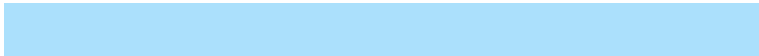
182, 223, 175

Rectangle

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



162, 196, 228



171, 203, 252



255, 201, 208



249, 227, 180

Sweetspot

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



162, 196, 228



232, 244, 255



162, 228, 224



113, 121, 128



0, 0, 0



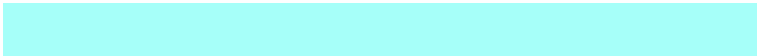
128, 128, 128

Same Dimension

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



162, 196, 228



166, 212, 255



162, 186, 228



103, 109, 115



0, 92, 179



0, 26, 51

Inverse Universe

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



228, 162, 166



255, 166, 171



228, 214, 162



115, 103, 104



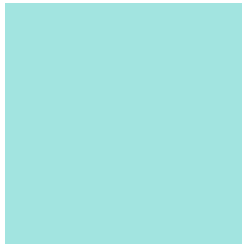
179, 0, 10



51, 0, 3

Previews

White Background



This preview shows how the RYB color 162, 196, 228 looks on a white background.

Color Contrast Check

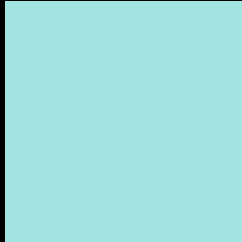
Large Text (above 18pt) WCAG AA × Fail

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, 196, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

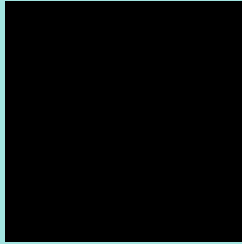
Any Text WCAG AA ✓ Pass

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, 196, 228 Background



This preview shows how black text looks on a background with the RYB color 162, 196, 228.

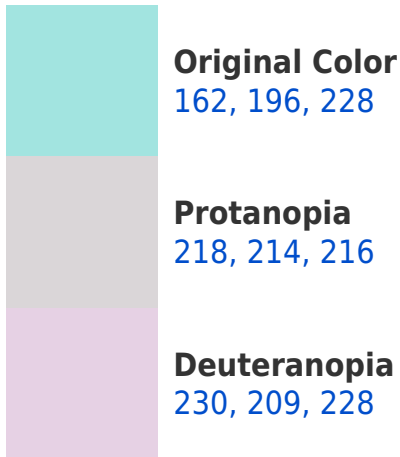



This preview shows how white text looks on a background with the RYB color 162, 196, 228.

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



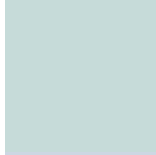


Tritanopia
166, 199, 243

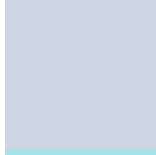
Trichromacy



Original Color
162, 196, 228



Protanomaly
198, 209, 219



Deuteranomaly
205, 212, 227

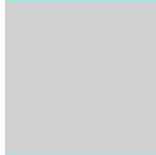


Tritanomaly
165, 198, 236

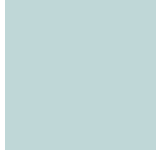
Monochromacy



Original Color
162, 196, 228



Achromatopsia
208, 208, 208



Achromatomaly
191, 203, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 196, 228 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, 228, 224)` looks like.

```
.text, #text, p{  
    color:rgb(162, 228, 224)  
}
```

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, 228, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 228, 224) }
```

Border

The CSS property to change the border of an element to RYB 162, 196, 228 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, 228, 224) }
```

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

```
.border{ border-color:rgb(162, 228, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 228, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 228, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 228, 224);  
box-shadow:4px 4px 4px 4px rgb(162, 228,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 162, 196, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 228, 224) }
```

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

```
.background{ background-color: rgb(162,  
228, 224) }
```

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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