

# Converting Colors

RGB(166, 240, 228)

Have a look what the booklet for  
RGB(166, 240, 228) contains.

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# **Color**

**RGB(166, 240, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F0E4
RGB	166, 240, 228
RGB Percent	65%, 94%, 89%
CMY	0.3490, 0.0588, 0.1059
CMYK	0.31, 0.00, 0.05, 0.06
HSL	170°, 71%, 80%
HSV	170°, 31%, 94%
XYZ	60.8896, 76.0286, 84.8646
YIQ	216.5060, -40.2520, -19.4200

# Conversions

## Conversions Part 2

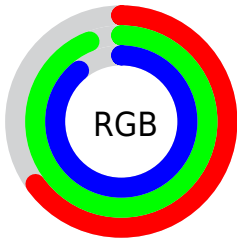
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 206, 240
Decimal	10940644
CIE Lab	89.87, -25.32, -1.52
CIE LCh	90, 25.366, 183.431
Yxy	76.0286, 0.2745, 0.3428
Android (android.graphics.Color)	4289130724 (0xFFA6F0E4)
YUV	216.5060, 5.6665, -44.2938
Hunter-Lab	87.1944, -27.9401, 3.3303

# Details

The RGB color **166, 240, 228** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **240, 166, 178**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **223, 255, 255**, and **111, 184, 173** is the 20% darker color. If you saturate the color by 10%, you get **142, 240, 224**, and if you desaturate by 10%, it is **190, 240, 232**.

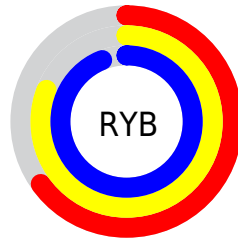
# Distribution



Red (65%)

Green (94%)

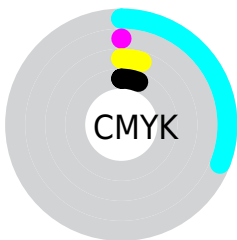
Blue (89%)



Red (65%)

Yellow (81%)

Blue (94%)

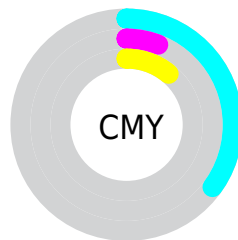


Cyan (31%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (35%)

Magenta (6%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 166, 240, 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 RGB color 166, 240, 228 by changing the saturation by 10% instead.



 166, 240, 228


255, 255, 255


 223, 255, 255


 252, 255, 255

 166, 240, 228


 138, 212, 200

 111, 184, 173


 84, 157, 146

 57, 130, 120

 28, 105, 96

 0, 80, 72

 0, 57, 50

 0, 36, 29

 0, 0, 3

 166, 240, 228

 166, 240, 228

 142, 240, 224

 190, 240, 232

 118, 240, 220

 214, 240, 236

 94, 240, 216

 238, 240, 240

 70, 240, 212

 255, 240, 244

 46, 240, 209

 255, 240, 247

 22, 240, 205

 255, 240, 251

 0, 240, 201

 255, 240, 255

# Harmonies

## Analogous

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



188, 238, 204



166, 240, 228



159, 239, 252

# Triad

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



166, 240, 228



234, 219, 255



255, 217, 183

# Complementary

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



166, 240, 228



240, 166, 178

# 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, 211, 200



166, 240, 228



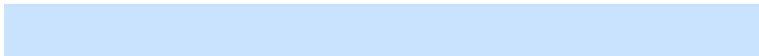
255, 212, 248

# Square

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



166, 240, 228



201, 227, 255



255, 209, 224



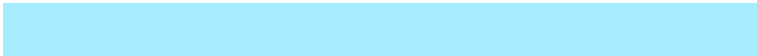
242, 225, 178

# Rectangle

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



166, 240, 228



166, 236, 255



255, 209, 224



255, 215, 188



# Sweetspot

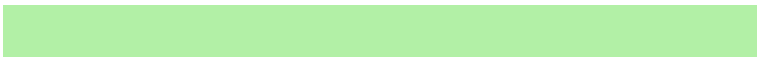
The Sweet Spot groups the original color and five complimentary colors.



166, 240, 228



232, 255, 251



178, 240, 166



113, 128, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



166, 240, 228



161, 255, 240



166, 215, 240



108, 120, 118



0, 184, 154



0, 56, 47



# Inverse Universe

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



240, 166, 178



255, 161, 176



240, 191, 166



120, 108, 110



184, 0, 30

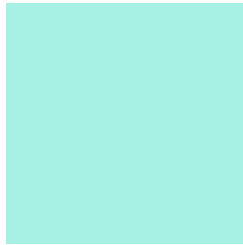


56, 0, 9



# Previews

## White Background



This preview shows how the RGB color 166, 240, 228 looks on a white background.

## Color Contrast Check

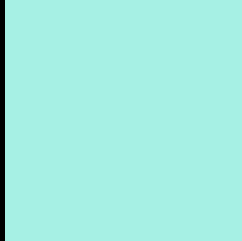
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 166, 240, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

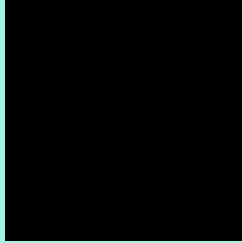
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 166, 240, 228 Background



This preview shows how black text looks on a background with the RGB color 166, 240, 228.

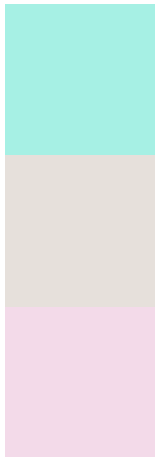


This preview shows how white text looks on a background with the RGB color 166, 240, 228.

# 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



**Original Color**  
166, 240, 228

**Protanopia**  
230, 224, 219

**Deuteranopia**  
243, 218, 233



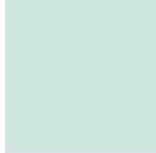
**Tritanopia**  
172, 236, 255

# Trichromacy



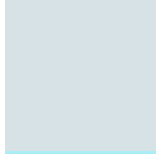
**Original Color**

166, 240, 228



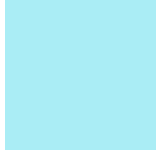
**Protanomaly**

207, 230, 222



**Deuteranomaly**

215, 226, 231



**Tritanomaly**

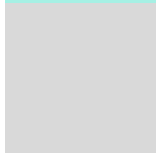
170, 237, 245

# Monochromacy



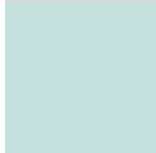
**Original Color**

166, 240, 228



**Achromatopsia**

217, 217, 217



**Achromatomaly**

198, 225, 221

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 166, 240, 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(166, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(166, 240, 228)  
}
```

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(166, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 240, 228) }
```

## Border

The CSS property to change the border of an element to RGB 166, 240, 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(166, 240, 228) }
```

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

```
.border{ border-color:rgb(166, 240, 228) }
```

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

Here you see how a box with a 4 pixel rgb(166, 240, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(166, 240,  
228) }
```

# Background

The CSS property to change the background color of an element to RGB 166, 240, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 240, 228) }
```

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

```
.background{ background-color: rgb(166,  
240, 228) }
```

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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