

Converting Colors

`RYB(103, 168, 236)`

Have a look what the booklet for
RYB(103, 168, 236) contains.

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Color

`RYB(103, 168, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	67E6EC
RGB	103, 230, 236
RGB Percent	40%, 90%, 93%
CMY	0.5961, 0.0975, 0.0745
CMYK	0.56, 0.02, 0.00, 0.07
HSL	183°, 78%, 66%
HSV	183°, 56%, 93%
XYZ	49.0675, 65.6070, 89.4342
YIQ	192.7110, -77.6180, -25.0580

Conversions

Conversions Part 2

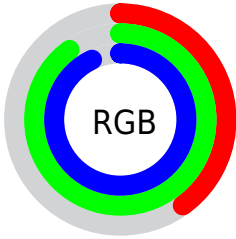
Format	Color
RYB	103, 168, 236
Decimal	6809324
CIELab	84.80, -33.36, -13.52
CIELCh	85, 35.996, 202.057
Yxy	65.6070, 0.2404, 0.3214
Android (android.graphics.Color)	4284999404 (0xFF67E6EC)
YUV	192.7110, 21.3415, -78.6765
Hunter-Lab	80.9982, -33.6141, -8.7664

Details

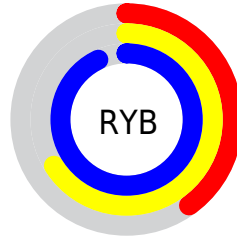
The RYB color **103, 168, 236** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **236, 109, 103**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **165, 210, 255**, and **22, 99, 180** is the 20% darker color. If you saturate the color by 10%, you get **79, 156, 236**, and if you desaturate by 10%, it is **127, 180, 236**.

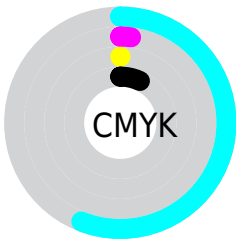
Distribution



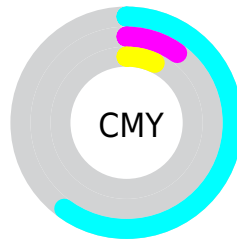
- Red (40%)
- Green (90%)
- Blue (93%)



- Red (40%)
- Yellow (66%)
- Blue (93%)



- Cyan (56%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 168, 236 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 103, 168, 236 by changing the saturation by 10% instead.

 103, 168, 236


255, 255, 255

 165, 210, 255

 195, 225, 255

 226, 241, 255

 103, 168, 236

 69, 137, 208

 22, 99, 180


 0, 75, 153

 0, 62, 128

 0, 49, 102

 0, 37, 78


 0, 26, 56

 0, 15, 34


 0, 0, 11


 103, 168, 236


 103, 168, 236

 79, 156, 236

 127, 180, 236

 56, 144, 236


 150, 192, 236


 32, 132, 236

 174, 204, 236

 9, 120, 236

 197, 216, 236

 0, 115, 236

 221, 228, 236

 245, 236, 236

 255, 237, 236

 255, 238, 236

 255, 241, 236

Harmonies

Analogous

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



131, 189, 230



103, 168, 236



111, 175, 255

Triad

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



103, 168, 236



246, 195, 254



207, 244, 145

Complementary

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



103, 168, 236



236, 109, 103

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, 217, 159



103, 168, 236



255, 187, 222

Square

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



103, 168, 236



204, 206, 255



255, 187, 188



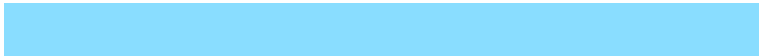
148, 217, 155

Rectangle

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



103, 168, 236



137, 186, 255



255, 187, 188



243, 253, 148

Sweetspot

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



103, 168, 236



212, 233, 255



103, 232, 236



102, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 168, 236



82, 166, 255



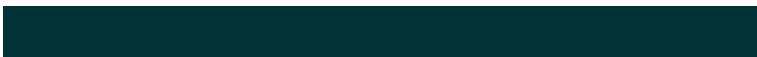
103, 145, 236



106, 112, 117



0, 88, 181



0, 26, 54

Inverse Universe

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



236, 103, 230



255, 82, 247



219, 236, 103



117, 106, 117



181, 0, 173



54, 0, 51

Previews

White Background



This preview shows how the RYB color 103, 168, 236 looks on a white background.

Color Contrast Check

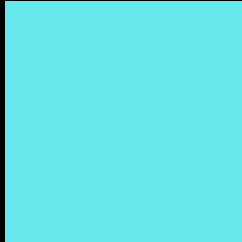
Large Text (above 18pt) WCAG AA × Fail

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 103, 168, 236 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 103, 168, 236 Background



This preview shows how black text looks on a background with the RYB color 103, 168, 236.

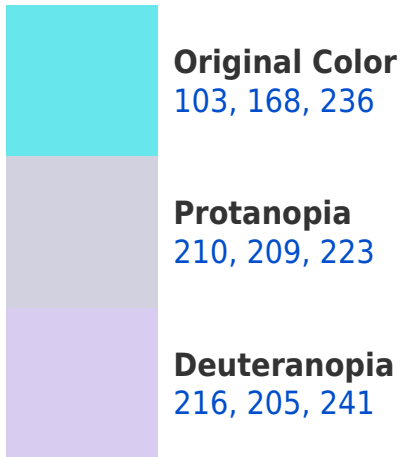


This preview shows how white text looks on a background with the RYB color 103, 168, 236.

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





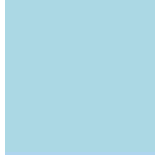
Tritanopia
107, 172, 247

Trichromacy



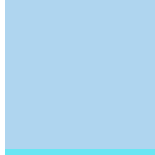
Original Color

103, 168, 236



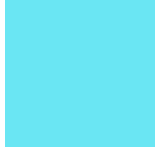
Protanomaly

171, 196, 228



Deuteranomaly

175, 199, 239



Tritanomaly

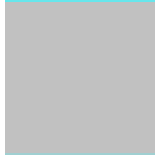
106, 171, 243

Monochromacy



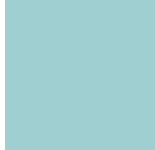
Original Color

103, 168, 236



Achromatopsia

193, 193, 193



Achromatomaly

160, 184, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 168, 236 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(103, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(103, 230, 236)  
}
```

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(103, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 230, 236) }
```

Border

The CSS property to change the border of an element to RYB 103, 168, 236 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(103, 230, 236) }
```

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

```
.border{ border-color:rgb(103, 230, 236) }
```

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

Here you see how a box with a 4 pixel rgb(103, 230, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(103, 230,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 103, 168, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 230, 236) }
```

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

```
.background{ background-color: rgb(103,  
230, 236) }
```

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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