

Converting Colors

`RYB(8, 123, 232)`

Have a look what the booklet for
RYB(8, 123, 232) contains.

RYB(8, 123, 232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(8, 123, 232)

Conversions

Conversions Part 1

Format	Color
Hex	08E8DC
RGB	8, 232, 220
RGB Percent	3%, 91%, 86%
CMY	0.9686, 0.0902, 0.1360
CMYK	0.97, 0.00, 0.05, 0.09
HSL	177°, 93%, 47%
HSV	177°, 97%, 91%
XYZ	41.9165, 62.9488, 77.8688
YIQ	163.6560, -129.6520, -51.2200

Conversions

Conversions Part 2

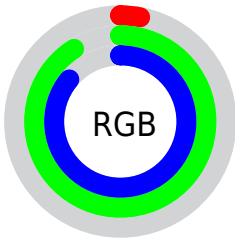
Format	Color
RYB	8, 123, 232
Decimal	583900
CIELab	83.42, -47.93, -7.45
CIELCh	83, 48.504, 188.833
Yxy	62.9488, 0.2294, 0.3445
Android (android.graphics.Color)	4278773980 (0xFF08E8DC)
YUV	163.6560, 27.7776, -136.5103
Hunter-Lab	79.3403, -44.5415, -2.6522

Details

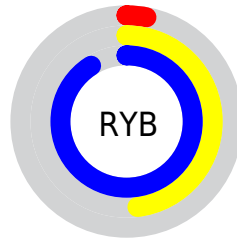
The RYB color **8, 123, 232** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **232, 8, 20**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **115, 185, 255**, and **0, 90, 175** is the 20% darker color. If you saturate the color by 10%, you get **0, 119, 232**, and if you desaturate by 10%, it is **31, 134, 232**.

Distribution



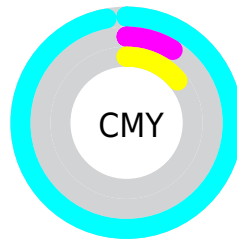
- Red (3%)
- Green (91%)
- Blue (86%)



- Red (3%)
- Yellow (48%)
- Blue (91%)



- Cyan (97%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)




















- Cyan (97%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 8, 123, 232 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 8, 123, 232 by changing the saturation by 10% instead.

 8, 123, 232	 8, 123, 232
 255, 255, 255	 0, 104, 203
 115, 185, 255	 0, 90, 175
 149, 202, 255	 0, 76, 148
 182, 219, 255	 0, 63, 122
 214, 235, 255	 0, 50, 96
 246, 251, 255	 0, 37, 71
	 0, 25, 48
	 0, 11, 24
	 0, 0, 0

■ 8, 123, 232

■ 8, 123, 232

■ 0, 119, 232

■ 31, 134, 232

■ 54, 145, 232

■ 78, 157, 232

■ 101, 168, 232

■ 124, 180, 232

■ 147, 191, 232

■ 170, 202, 232

■ 194, 214, 232

■ 217, 225, 232

Harmonies

Analogous

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



115, 191, 229



8, 123, 232



0, 121, 255

Triad

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



8, 123, 232



230, 191, 255



236, 255, 123

Complementary

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



8, 123, 232



232, 8, 20

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, 188, 153



8, 123, 232



255, 176, 242

Square

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



8, 123, 232



161, 192, 255



255, 171, 196



132, 224, 116

Rectangle

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



8, 123, 232



0, 120, 255



255, 171, 196



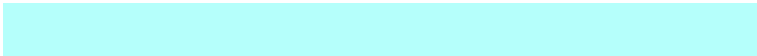
255, 236, 131

Sweetspot

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



8, 123, 232



181, 219, 255



8, 232, 217



83, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



8, 123, 232



0, 131, 255



8, 89, 232



103, 109, 115



0, 92, 179



0, 26, 51

Inverse Universe

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



232, 8, 20



255, 0, 13



232, 179, 8



115, 103, 104



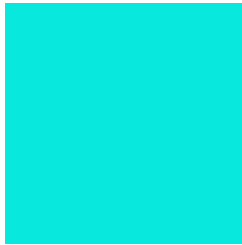
179, 0, 9



51, 0, 3

Previews

White Background



This preview shows how the RYB color 8, 123, 232 looks on a white background.

Color Contrast Check

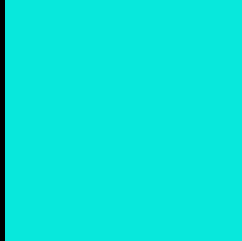
Large Text (above 18pt) WCAG AA × Fail

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 8, 123, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

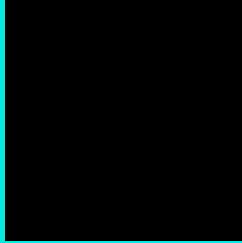
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

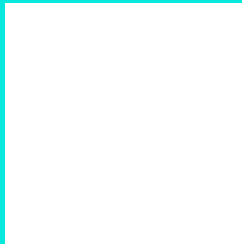
Any Text WCAG AAA ✓ Pass

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

R Y B 8, 123, 232 Background



This preview shows how black text looks on a background with the R Y B color 8, 123, 232.

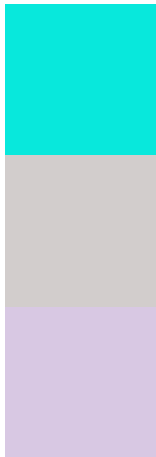


This preview shows how white text looks on a background with the R Y B color 8, 123, 232.

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](#).

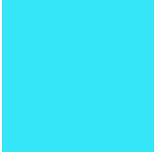
Dichromacy



Original Color
8, 123, 232

Protanopia
210, 205, 204

Deuteranopia
216, 200, 227



Tritanopia
52, 145, 247

Trichromacy



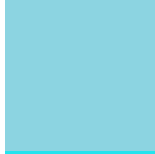
Original Color

8, 123, 232



Protanomaly

137, 177, 215



Deuteranomaly

140, 179, 225



Tritanomaly

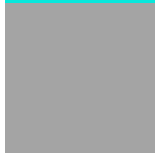
36, 134, 237

Monochromacy



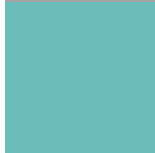
Original Color

8, 123, 232



Achromatopsia

164, 164, 164



Achromatomaly

107, 149, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 8, 123, 232 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(8, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(8, 232, 220)  
}
```

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(8, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 232, 220) }
```

Border

The CSS property to change the border of an element to RYB 8, 123, 232 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(8, 232, 220) }
```

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

```
.border{ border-color:rgb(8, 232, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(8, 232,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 8, 123, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 232, 220) }
```

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

```
.background{ background-color: rgb(8, 232,  
220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor