

Converting Colors

`RYB(23, 103, 189)`

Have a look what the booklet for
RYB(23, 103, 189) contains.

RYB(23, 103, 189)	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

`RYB(23, 103, 189)`

Conversions

Conversions Part 1

Format	Color
Hex	17B1BD
RGB	23, 177, 189
RGB Percent	9%, 69%, 74%
CMY	0.9098, 0.3042, 0.2588
CMYK	0.88, 0.06, 0.00, 0.26
HSL	184°, 78%, 42%
HSV	184°, 88%, 74%
XYZ	25.3436, 35.4662, 53.6540
YIQ	132.3220, -95.6360, -28.9160

Conversions

Conversions Part 2

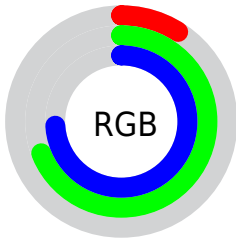
Format	Color
R_{YB}	23, 103, 189
Decimal	1552829
CIE _{Lab}	66.11, -32.10, -16.40
CIE _{LCh}	66, 36.050, 207.064
Yxy	35.4662, 0.2214, 0.3098
Android (android.graphics.Color)	4279742909 (0xFF17B1BD)
YUV	132.3220, 27.9423, -95.8754
Hunter-Lab	59.5535, -28.2561, -11.7292

Details

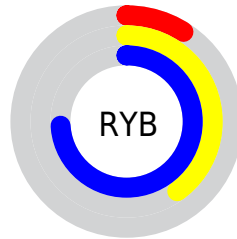
The RYB color **23, 103, 189** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **189, 36, 23**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **105, 172, 245**, and **0, 65, 136** is the 20% darker color. If you saturate the color by 10%, you get **4, 93, 189**, and if you desaturate by 10%, it is **42, 113, 189**.

Distribution



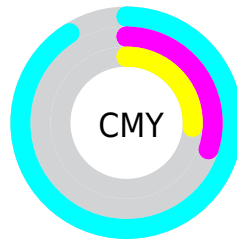
- Red (9%)
- Green (69%)
- Blue (74%)



- Red (9%)
- Yellow (40%)
- Blue (74%)



- Cyan (88%)
- Magenta (6%)
- Yellow (0%)
- Black (26%)




















- Cyan (91%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 103, 189 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 23, 103, 189 by changing the saturation by 10% instead.

 23, 103, 189	 23, 103, 189
 255, 255, 255	 0, 78, 162
 105, 172, 245	 0, 65, 136
 137, 196, 255	 0, 52, 110
 167, 211, 255	 0, 40, 86
 198, 227, 255	 0, 28, 63
 229, 242, 255	 0, 18, 41
	 0, 1, 20
	 0, 0, 0

 23, 103, 189  23, 103, 189

■ 4, 93, 189

■ 42, 113, 189

■ 0, 91, 189

■ 61, 123, 189

■ 80, 132, 189

■ 99, 142, 189

■ 118, 152, 189

■ 136, 161, 189

■ 155, 171, 189

■ 174, 181, 189

■ 193, 189, 189

Harmonies

Analogous

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



70, 130, 178



23, 103, 189



50, 120, 214

Triad

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



23, 103, 189



198, 142, 196



135, 185, 96

Complementary

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



23, 103, 189



189, 36, 23

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.



210, 170, 107



23, 103, 189



220, 136, 165

Square

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



23, 103, 189



160, 153, 218



223, 138, 133



102, 168, 118

Rectangle

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



23, 103, 189



89, 139, 223



223, 138, 133



167, 194, 98

Sweetspot

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



23, 103, 189



181, 212, 245



23, 179, 189



84, 102, 122



250, 250, 250



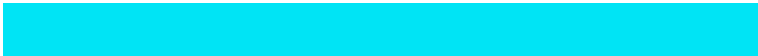
122, 122, 122

Same Dimension

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



23, 103, 189



0, 118, 245



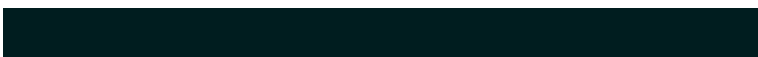
23, 73, 189



85, 90, 94



0, 76, 158



0, 15, 31

Inverse Universe

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



189, 23, 177



245, 0, 228



150, 189, 23



94, 85, 94



158, 0, 147



31, 0, 28

Previews

White Background



This preview shows how the RYB color 23, 103, 189 looks on a white background.

Color Contrast Check

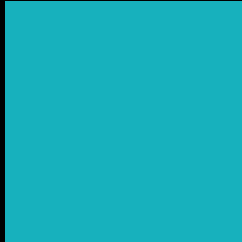
Large Text (above 18pt) WCAG AA × Fail

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 23, 103, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

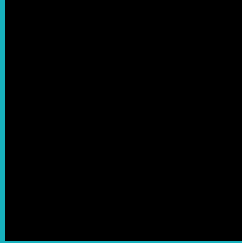
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

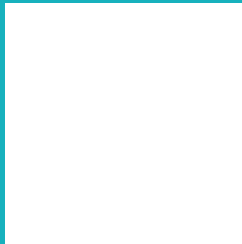
Any Text WCAG AAA ✓ Pass

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

RGB 23, 103, 189 Background



This preview shows how black text looks on a background with the RGB color 23, 103, 189.

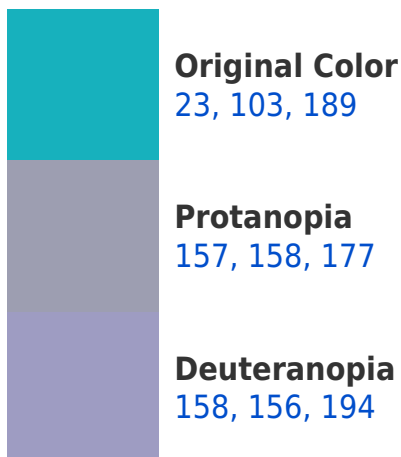


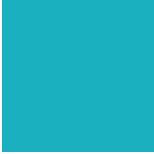
This preview shows how white text looks on a background with the RGB color 23, 103, 189.

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
27, 105, 191

Trichromacy



Original Color

23, 103, 189



Protanomaly

108, 140, 181



Deuteranomaly

109, 142, 192



Tritanomaly

26, 105, 190

Monochromacy



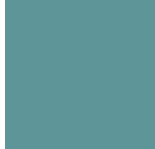
Original Color

23, 103, 189



Achromatopsia

133, 133, 133



Achromatomaly

93, 122, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 103, 189 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(23, 177, 189)` looks like.

```
.text, #text, p{  
    color:rgb(23, 177, 189)  
}
```

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(23, 177, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 177, 189) }
```

Border

The CSS property to change the border of an element to RYB 23, 103, 189 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(23, 177, 189) }
```

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

```
.border{ border-color:rgb(23, 177, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 177, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 177, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 177, 189);  
box-shadow:4px 4px 4px 4px rgb(23, 177,  
189) }
```

Background

The CSS property to change the background color of an element to RGB 23, 103, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 177, 189) }
```

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

```
.background{ background-color: rgb(23, 177,  
189) }
```

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