

Converting Colors

`RYB(23, 125, 206)`

Have a look what the booklet for
RYB(23, 125, 206) contains.

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Color

`RYB(23, 125, 206)`

Conversions

Conversions Part 1

Format	Color
Hex	17CEA8
RGB	23, 206, 168
RGB Percent	9%, 81%, 66%
CMY	0.9098, 0.1922, 0.3399
CMYK	0.89, 0.00, 0.18, 0.19
HSL	168°, 80%, 45%
HSV	168°, 89%, 81%
XYZ	29.5227, 47.1640, 44.7516
YIQ	146.9510, -96.8700, -50.6140

Conversions

Conversions Part 2

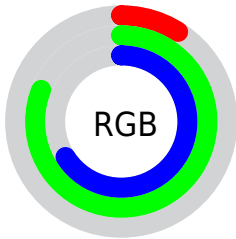
Format	Color
RYB	23, 125, 206
Decimal	1560232
CIELab	74.29, -50.58, 6.98
CIELCh	74, 51.062, 172.144
Yxy	47.1640, 0.2431, 0.3884
Android (android.graphics.Color)	4279750312 (0xFF17CEA8)
YUV	146.9510, 10.3772, -108.7050
Hunter-Lab	68.6761, -43.4488, 9.4379

Details

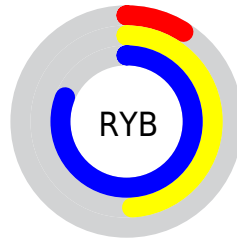
The RYB color **23, 125, 206** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **206, 23, 61**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **108, 190, 255**, and **0, 85, 151** is the 20% darker color. If you saturate the color by 10%, you get **2, 116, 206**, and if you desaturate by 10%, it is **44, 134, 206**.

Distribution



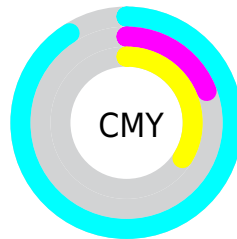
- Red (9%)
- Green (81%)
- Blue (66%)



- Red (9%)
- Yellow (49%)
- Blue (81%)



- Cyan (89%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)



















- Cyan (91%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 125, 206 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, 125, 206 by changing the saturation by 10% instead.

 23, 125, 206	 23, 125, 206
 255, 255, 255	 0, 99, 178
 108, 190, 255	 0, 85, 151
 140, 198, 255	 0, 71, 124
 172, 214, 255	 0, 58, 98
 202, 229, 255	 0, 45, 73
 233, 244, 255	 0, 33, 50
	 0, 24, 24
	 0, 0, 0

 23, 125, 206  23, 125, 206

■ 2, 116, 206

■ 44, 134, 206

■ 0, 115, 206

■ 64, 143, 206

■ 85, 152, 206

■ 105, 161, 206

■ 126, 170, 206

■ 147, 180, 206

■ 167, 189, 206

■ 188, 198, 206

■ 208, 206, 206

Harmonies

Analogous

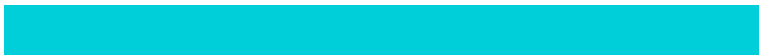
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



121, 199, 201



23, 125, 206



0, 106, 217

Triad

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



23, 125, 206



167, 174, 255



255, 184, 110

Complementary

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



23, 125, 206



206, 23, 61

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, 146, 150



23, 125, 206



229, 157, 241

Square

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



23, 125, 206



67, 142, 255



255, 145, 197



158, 222, 88

Rectangle

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



23, 125, 206



0, 111, 244



255, 145, 197



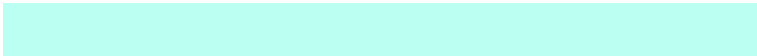
255, 164, 122

Sweetspot

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



23, 125, 206



186, 224, 255



23, 206, 166



87, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



23, 125, 206



0, 142, 255



23, 99, 206



92, 98, 102



0, 92, 166



0, 21, 38

Inverse Universe

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



206, 23, 61



255, 0, 53



206, 96, 23



102, 92, 94



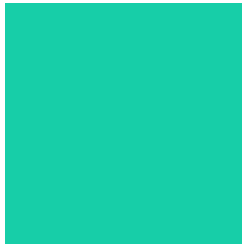
166, 0, 34



38, 0, 8

Previews

White Background



This preview shows how the RYB color 23, 125, 206 looks on a white background.

Color Contrast Check

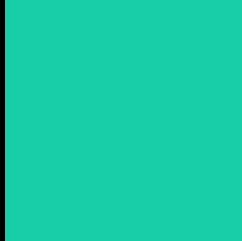
Large Text (above 18pt) WCAG AA × Fail

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, 125, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

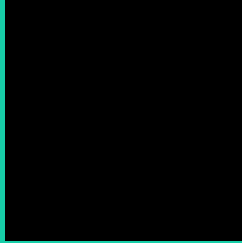
Any Text WCAG AA ✓ Pass

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 23, 125, 206 Background



This preview shows how black text looks on a background with the RYB color 23, 125, 206.

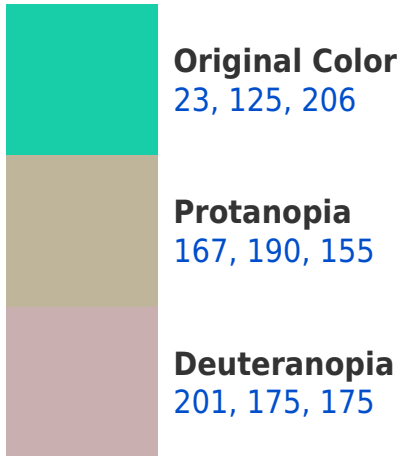


This preview shows how white text looks on a background with the RYB color 23, 125, 206.

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](#).

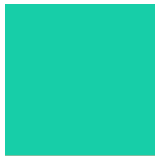
Dichromacy





Tritanopia
64, 135, 216

Trichromacy



Original Color

23, 125, 206



Protanomaly

129, 169, 190



Deuteranomaly

136, 165, 186



Tritanomaly

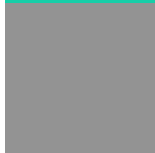
49, 126, 202

Monochromacy



Original Color

23, 125, 206



Achromatopsia

147, 147, 147



Achromatomaly

102, 139, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 125, 206 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, 206, 168)` looks like.

```
.text, #text, p{  
    color:rgb(23, 206, 168)  
}
```

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, 206, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 206, 168) }
```

Border

The CSS property to change the border of an element to RYB 23, 125, 206 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, 206, 168) }
```

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

```
.border{ border-color:rgb(23, 206, 168) }
```

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

Here you see how a box with a 4 pixel rgb(23, 206, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 206, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 206, 168);  
box-shadow:4px 4px 4px 4px rgb(23, 206,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 23, 125, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 206, 168) }
```

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

```
.background{ background-color: rgb(23, 206,  
168) }
```

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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