

Converting Colors

`RYB(23, 141, 224)`

Have a look what the booklet for
RYB(23, 141, 224) contains.

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Color

$\text{RYB}(23, 141, 224)$

Conversions

Conversions Part 1

Format	Color
Hex	17E0A4
RGB	23, 224, 164
RGB Percent	9%, 88%, 64%
CMY	0.9098, 0.1216, 0.3554
CMYK	0.90, 0.00, 0.27, 0.12
HSL	162°, 81%, 48%
HSV	162°, 90%, 88%
XYZ	33.7443, 56.1876, 44.3696
YIQ	157.0610, -100.5360, -61.2720

Conversions

Conversions Part 2

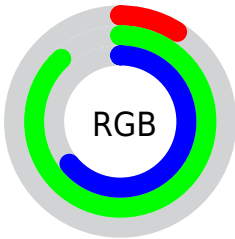
Format	Color
R_{YB}	23, 141, 224
Decimal	1564836
CIE _{Lab}	79.72, -58.54, 16.76
CIE _{LCh}	80, 60.896, 164.026
Yxy	56.1876, 0.2513, 0.4184
Android (android.graphics.Color)	4279754916 (0xFF17E0A4)
YUV	157.0610, 3.4209, -117.5715
Hunter-Lab	74.9584, -50.8211, 17.3758

Details

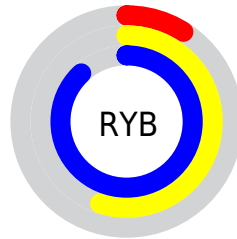
The RYB color **23, 141, 224** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **224, 23, 83**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **112, 194, 255**, and **0, 100, 167** is the 20% darker color. If you saturate the color by 10%, you get **1, 132, 224**, and if you desaturate by 10%, it is **45, 150, 224**.

Distribution



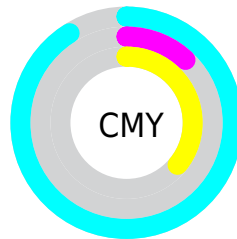
- Red (9%)
- Green (88%)
- Blue (64%)



- Red (9%)
- Yellow (55%)
- Blue (88%)



- Cyan (90%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)





- Cyan (91%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the RYB color 23, 141, 224 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, 141, 224 by changing the saturation by 10% instead.

 23, 141, 224

 23, 141, 224

255, 255, 255

 0, 114, 195

 112, 194, 255

 0, 100, 167

 145, 202, 255

 0, 86, 140

 177, 216, 255

 0, 72, 113

 208, 232, 255


 0, 60, 88


 239, 247, 255

 0, 47, 63

 0, 39, 39

 0, 0, 0

 23, 141, 224

 23, 141, 224

■ 1, 132, 224

■ 45, 150, 224

■ 0, 131, 224

■ 68, 159, 224

■ 90, 169, 224

■ 113, 178, 224

■ 135, 187, 224

■ 157, 196, 224

■ 180, 206, 224

■ 202, 215, 224

■ 225, 224, 224

Harmonies

Analogous

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



112, 216, 187



23, 141, 224



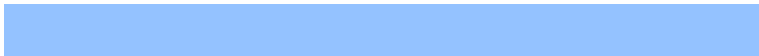
0, 114, 226

Triad

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



23, 141, 224



148, 180, 255



255, 182, 121

Complementary

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



23, 141, 224



224, 23, 83

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, 149, 173



23, 141, 224



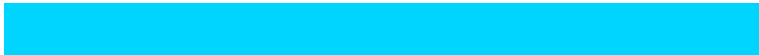
236, 172, 255

Square

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



23, 141, 224



0, 116, 255



255, 153, 230



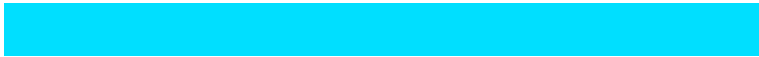
208, 255, 86

Rectangle

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



23, 141, 224



0, 119, 255



255, 153, 230



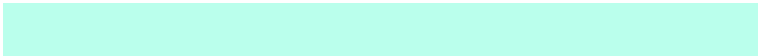
255, 161, 137

Sweetspot

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



23, 141, 224



186, 226, 255



23, 224, 164



87, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



23, 141, 224



0, 150, 255



23, 112, 224



101, 107, 112



0, 103, 176



0, 28, 48

Inverse Universe

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



224, 23, 83



255, 0, 76



224, 73, 23



112, 101, 104



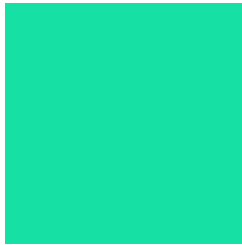
176, 0, 52



48, 0, 14

Previews

White Background



This preview shows how the RYB color 23, 141, 224 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, 141, 224 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

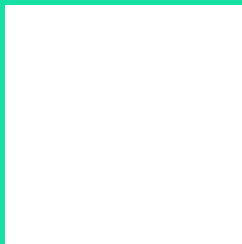
Any Text WCAG AAA ✓ Pass

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

RYB 23, 141, 224 Background



This preview shows how black text looks on a background with the RYB color 23, 141, 224.

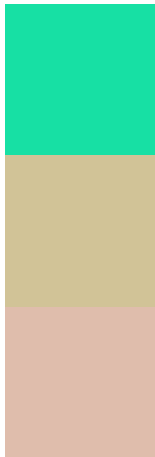


This preview shows how white text looks on a background with the RYB color 23, 141, 224.

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](#).

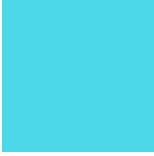
Dichromacy



Original Color
23, 141, 224

Protanopia
169, 209, 151

Deuteranopia
223, 198, 172



Tritanopia
76, 150, 233

Trichromacy



Original Color

23, 141, 224



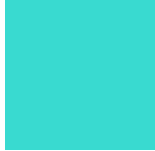
Protanomaly

141, 194, 206



Deuteranomaly

150, 188, 202



Tritanomaly

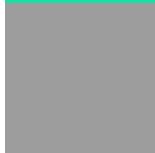
57, 140, 218

Monochromacy



Original Color

23, 141, 224



Achromatopsia

157, 157, 157



Achromatomaly

108, 151, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 141, 224 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, 224, 164)` looks like.

```
.text, #text, p{  
    color:rgb(23, 224, 164)  
}
```

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, 224, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 224, 164) }
```

Border

The CSS property to change the border of an element to RYB 23, 141, 224 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, 224, 164) }
```

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

```
.border{ border-color:rgb(23, 224, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 224, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 224, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 224, 164);  
box-shadow:4px 4px 4px 4px rgb(23, 224,  
164) }
```

Background

The CSS property to change the background color of an element to RGB 23, 141, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 224, 164) }
```

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

```
.background{ background-color: rgb(23, 224,  
164) }
```

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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