

Converting Colors

`RYB(23, 112, 210)`

Have a look what the booklet for RYB(23, 112, 210) contains.

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Color

$\text{RYB}(23, 112, 210)$

Conversions

Conversions Part 1

Format	Color
Hex	17C1D2
RGB	23, 193, 210
RGB Percent	9%, 76%, 82%
CMY	0.9098, 0.2438, 0.1765
CMYK	0.89, 0.08, 0.00, 0.18
HSL	186°, 80%, 46%
HSV	186°, 89%, 82%
XYZ	31.0178, 42.8986, 67.6182
YIQ	144.1080, -106.7770, -30.7530

Conversions

Conversions Part 2

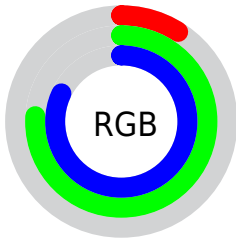
Format	Color
RYB	23, 112, 210
Decimal	1556946
CIELab	71.49, -32.86, -19.80
CIELCh	71, 38.358, 211.069
Yxy	42.8986, 0.2192, 0.3031
Android (android.graphics.Color)	4279747026 (0xFF17C1D2)
YUV	144.1080, 32.4848, -106.2117
Hunter-Lab	65.4970, -30.0863, -15.3623

Details

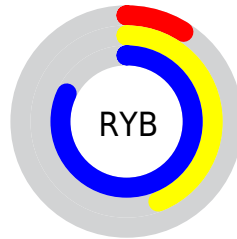
The RYB color **23, 112, 210** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **210, 42, 23**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **110, 181, 255**, and **0, 74, 156** is the 20% darker color. If you saturate the color by 10%, you get **2, 101, 210**, and if you desaturate by 10%, it is **44, 123, 210**.

Distribution



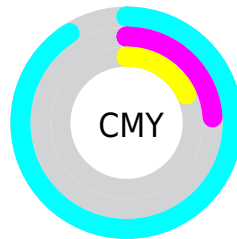
- Red (9%)
- Green (76%)
- Blue (82%)



- Red (9%)
- Yellow (44%)
- Blue (82%)



- Cyan (89%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)




















- Cyan (91%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 112, 210 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, 112, 210 by changing the saturation by 10% instead.

 23, 112, 210	 23, 112, 210
 255, 255, 255	 0, 87, 182
 110, 181, 255	 0, 74, 156
 143, 199, 255	 0, 60, 129
 174, 215, 255	 0, 48, 104
 205, 230, 255	 0, 36, 80
 236, 246, 255	 0, 24, 57
	 0, 9, 36
	 0, 0, 12
	 0, 0, 0

■ 23, 112, 210

■ 23, 112, 210

■ 2, 101, 210

■ 44, 123, 210

■ 0, 100, 210

■ 65, 134, 210

■ 86, 145, 210

■ 107, 156, 210

■ 128, 167, 210

■ 149, 178, 210

■ 170, 189, 210

■ 191, 200, 210

■ 212, 210, 210

Harmonies

Analogous

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



71, 138, 194



23, 112, 210



64, 136, 235

Triad

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



23, 112, 210



220, 154, 210



136, 197, 104

Complementary

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



23, 112, 210



210, 42, 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.



226, 194, 115



23, 112, 210



241, 148, 175

Square

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



23, 112, 210



181, 166, 235



242, 152, 141



114, 184, 138

Rectangle

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



23, 112, 210



106, 155, 244



242, 152, 141



169, 208, 106

Sweetspot

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



23, 112, 210



186, 219, 255



23, 195, 210



87, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



23, 112, 210



0, 121, 255



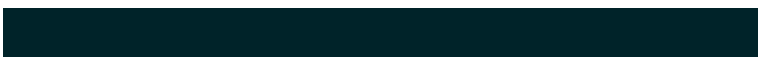
23, 78, 210



94, 99, 105



0, 80, 168



0, 19, 41

Inverse Universe

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



210, 23, 193



255, 0, 232



157, 210, 23



105, 94, 104



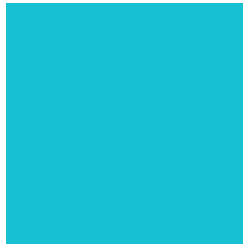
168, 0, 153



41, 0, 37

Previews

White Background



This preview shows how the RYB color 23, 112, 210 looks on a white background.

Color Contrast Check

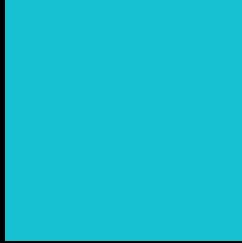
Large Text (above 18pt) WCAG AA × Fail

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, 112, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

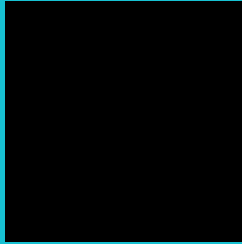
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

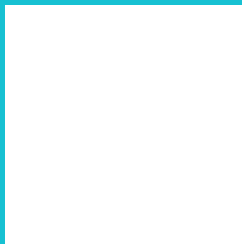
Any Text WCAG AAA ✓ Pass

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

RYB 23, 112, 210 Background



This preview shows how black text looks on a background with the RYB color 23, 112, 210.



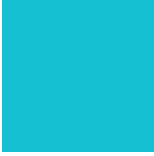
This preview shows how white text looks on a background with the RYB color 23, 112, 210.

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
20, 110, 209

Trichromacy



Original Color
23, 112, 210



Protanomaly
117, 153, 201



Deuteranomaly
117, 154, 213



Tritanomaly
21, 111, 209

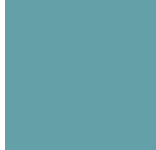
Monochromacy



Original Color
23, 112, 210



Achromatopsia
144, 144, 144



Achromatomaly
100, 132, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 112, 210 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, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(23, 193, 210)  
}
```

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, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 193, 210) }
```

Border

The CSS property to change the border of an element to RYB 23, 112, 210 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, 193, 210) }
```

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

```
.border{ border-color:rgb(23, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 193, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 193, 210);  
box-shadow:4px 4px 4px 4px rgb(23, 193,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 23, 193, 210 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 193, 210) }
```

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

```
.background{ background-color: rgb(23, 193,  
210) }
```

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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