

Converting Colors

`RYB(23, 105, 210)`

Have a look what the booklet for
RYB(23, 105, 210) contains.

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Color

R_YB(23, 105, 210)

Conversions

Conversions Part 1

Format	Color
Hex	17A9D2
RGB	23, 169, 210
RGB Percent	9%, 66%, 82%
CMY	0.9098, 0.3371, 0.1765
CMYK	0.89, 0.20, 0.00, 0.18
HSL	193°, 80%, 46%
HSV	193°, 89%, 82%
XYZ	26.1813, 33.2254, 66.0060
YIQ	130.0200, -100.1770, -18.2010

Conversions

Conversions Part 2

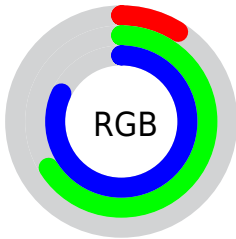
Format	Color
R_{YB}	23, 105, 210
Decimal	1550802
CIE _{Lab}	64.34, -20.98, -30.74
CIE _{LCh}	64, 37.220, 235.692
Yxy	33.2254, 0.2088, 0.2649
Android (android.graphics.Color)	4279740882 (0xFF17A9D2)
YUV	130.0200, 39.4301, -93.8565
Hunter-Lab	57.6415, -19.7964, -27.5447

Details

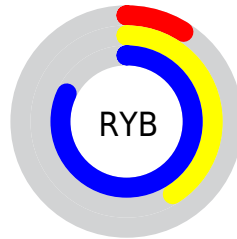
The RYB color **23, 105, 210** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **210, 76, 23**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **107, 172, 255**, and **0, 67, 155** is the 20% darker color. If you saturate the color by 10%, you get **2, 93, 210**, and if you desaturate by 10%, it is **44, 117, 210**.

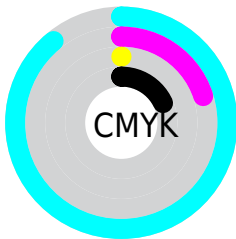
Distribution



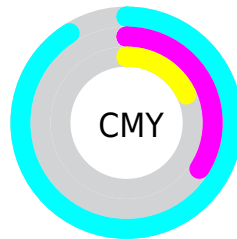
- Red (9%)
- Green (66%)
- Blue (82%)



- Red (9%)
- Yellow (41%)
- Blue (82%)



- Cyan (89%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)




















- Cyan (91%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 105, 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, 105, 210 by changing the saturation by 10% instead.

 23, 105, 210	 23, 105, 210
 255, 255, 255	 0, 80, 182
 107, 172, 255	 0, 67, 155
 139, 196, 255	 0, 54, 129
 170, 213, 255	 0, 41, 104
 201, 228, 255	 0, 29, 80
 232, 244, 255	 0, 18, 56
	 0, 2, 35
	 0, 0, 9
	 0, 0, 0

■ 23, 105, 210

■ 23, 105, 210

■ 2, 93, 210

■ 44, 117, 210

■ 0, 92, 210

■ 65, 129, 210

■ 86, 140, 210

■ 107, 152, 210

■ 128, 164, 210

■ 149, 176, 210

■ 170, 187, 210

■ 191, 199, 210

■ 212, 210, 210

Harmonies

Analogous

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



0, 89, 184



23, 105, 210



97, 139, 222

Triad

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



23, 105, 210



216, 130, 162



95, 163, 110

Complementary

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



23, 105, 210



210, 76, 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.



133, 182, 89



23, 105, 210



220, 132, 129

Square

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



23, 105, 210



193, 137, 194



207, 164, 102



109, 163, 170

Rectangle

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



23, 105, 210



136, 150, 220



207, 164, 102



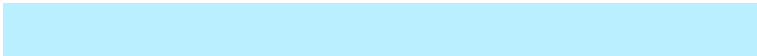
91, 160, 91

Sweetspot

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



23, 105, 210



186, 216, 255



23, 176, 210



87, 105, 128



0, 0, 0



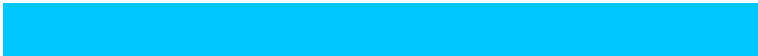
128, 128, 128

Same Dimension

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



23, 105, 210



0, 112, 255



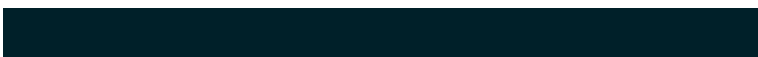
23, 64, 210



94, 99, 105



0, 74, 168



0, 18, 41

Inverse Universe

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



210, 23, 169



255, 0, 199



97, 210, 23



105, 94, 102



168, 0, 131



41, 0, 32

Previews

White Background



This preview shows how the RYB color 23, 105, 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, 105, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

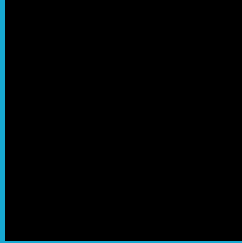
Any Text WCAG AA ✓ Pass

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, 105, 210 Background



This preview shows how black text looks on a background with the RYB color 23, 105, 210.

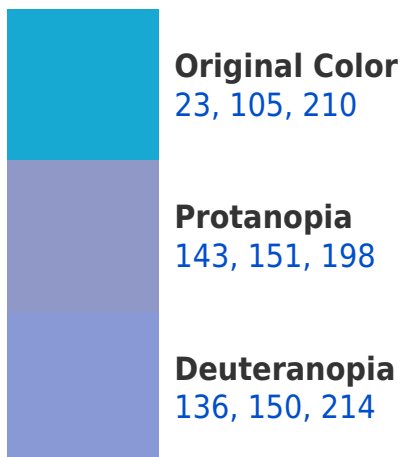


This preview shows how white text looks on a background with the RYB color 23, 105, 210.

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
0, 89, 186

Trichromacy



Original Color

23, 105, 210



Protanomaly

99, 137, 202



Deuteranomaly

95, 136, 213



Tritanomaly

8, 95, 195

Monochromacy



Original Color

23, 105, 210



Achromatopsia

130, 130, 130



Achromatomaly

91, 121, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 105, 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, 169, 210)` looks like.

```
.text, #text, p{  
    color:rgb(23, 169, 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, 169, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 169, 210) }
```

Border

The CSS property to change the border of an element to RYB 23, 105, 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, 169, 210) }
```

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

```
.border{ border-color:rgb(23, 169, 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, 169, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 169, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 169, 210);  
box-shadow:4px 4px 4px 4px rgb(23, 169,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 23, 169, 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, 169, 210) }
```

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

```
.background{ background-color: rgb(23, 169,  
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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