

Converting Colors

`RYB(21, 118, 230)`

Have a look what the booklet for RYB(21, 118, 230) contains.

RYB(21, 118, 230)	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

$\text{RYB}(21, 118, 230)$

Conversions

Conversions Part 1

Format	Color
Hex	15CAE6
RGB	21, 202, 230
RGB Percent	8%, 79%, 90%
CMY	0.9176, 0.2078, 0.0980
CMYK	0.91, 0.12, 0.00, 0.10
HSL	188°, 83%, 49%
HSV	188°, 91%, 90%
XYZ	35.7148, 48.1179, 82.2682
YIQ	151.0730, -116.8640, -29.6640

Conversions

Conversions Part 2

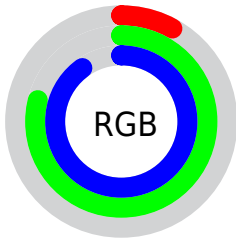
Format	Color
R_{YB}	21, 118, 230
Decimal	1428198
CIE _{Lab}	74.90, -31.00, -25.44
CIE _{LCh}	75, 40.102, 219.370
Yxy	48.1179, 0.2150, 0.2897
Android (android.graphics.Color)	4279618278 (0xFF15CAE6)
YUV	151.0730, 38.9110, -114.0740
Hunter-Lab	69.3670, -29.4885, -21.7601

Details

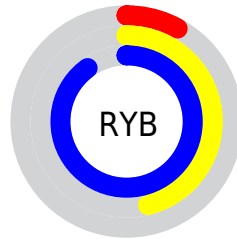
The RYB color **21, 118, 230** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **230, 53, 21**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **114, 185, 255**, and **0, 80, 174** is the 20% darker color. If you saturate the color by 10%, you get **0, 107, 230**, and if you desaturate by 10%, it is **44, 130, 230**.

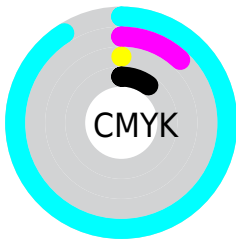
Distribution



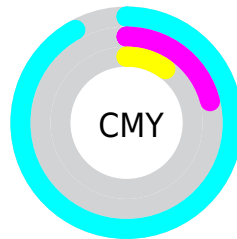
- Red (8%)
- Green (79%)
- Blue (90%)



- Red (8%)
- Yellow (46%)
- Blue (90%)



- Cyan (91%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)




















- Cyan (92%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 118, 230 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 21, 118, 230 by changing the saturation by 10% instead.

 21, 118, 230	 21, 118, 230
 255, 255, 255	 0, 93, 202
 114, 185, 255	 0, 80, 174
 147, 201, 255	 0, 67, 148
 179, 217, 255	 0, 54, 122
 211, 233, 255	 0, 41, 97
 242, 249, 255	 0, 29, 73
	 0, 18, 50
	 0, 2, 29
	 0, 0, 0

■ 21, 118, 230

■ 21, 118, 230

■ 0, 107, 230

■ 44, 130, 230

■ 67, 143, 230

■ 90, 155, 230

■ 113, 167, 230

■ 136, 180, 230

■ 159, 192, 230

■ 182, 204, 230

■ 205, 217, 230

■ 228, 229, 230

Harmonies

Analogous

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



58, 133, 204



21, 118, 230



85, 151, 253

Triad

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



21, 118, 230



240, 159, 211



123, 197, 110

Complementary

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



21, 118, 230



230, 53, 21

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.



230, 230, 116



21, 118, 230



255, 156, 174

Square

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



21, 118, 230



204, 171, 242



252, 166, 139



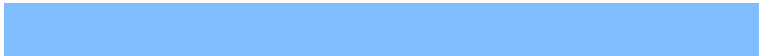
126, 196, 165

Rectangle

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



21, 118, 230



129, 169, 255



252, 166, 139



147, 209, 110

Sweetspot

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



21, 118, 230



186, 218, 255



21, 205, 230



87, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 118, 230



0, 118, 255



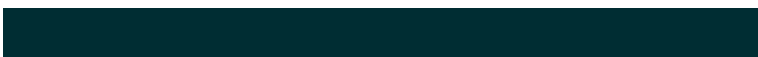
21, 77, 230



103, 108, 115



0, 83, 179



0, 24, 51

Inverse Universe

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



230, 21, 202



255, 0, 221



143, 230, 21



115, 103, 113



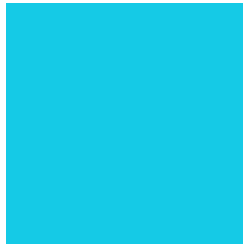
179, 0, 155



51, 0, 44

Previews

White Background



This preview shows how the RYB color 21, 118, 230 looks on a white background.

Color Contrast Check

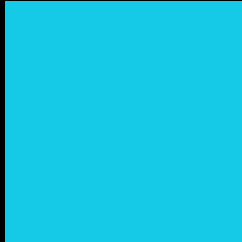
Large Text (above 18pt) WCAG AA × Fail

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 21, 118, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

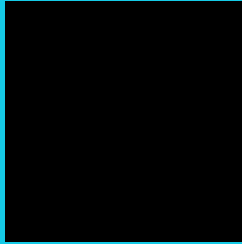
Any Text WCAG AA ✓ Pass

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 21, 118, 230 Background



This preview shows how black text looks on a background with the RYB color 21, 118, 230.

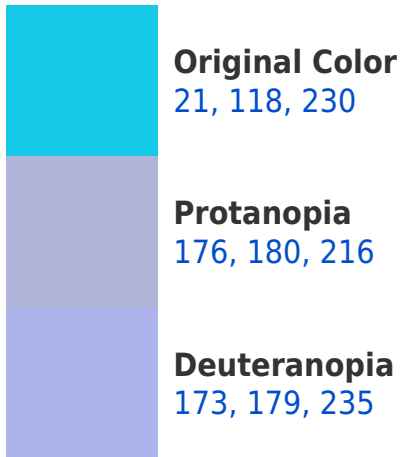


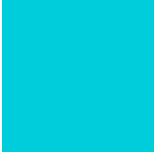
This preview shows how white text looks on a background with the RYB color 21, 118, 230.

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, 106, 220

Trichromacy



Original Color

21, 118, 230



Protanomaly

120, 161, 221



Deuteranomaly

118, 162, 233



Tritanomaly

8, 110, 224

Monochromacy



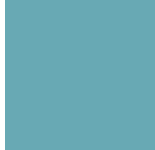
Original Color

21, 118, 230



Achromatopsia

151, 151, 151



Achromatomaly

104, 139, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 118, 230 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(21, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(21, 202, 230)  
}
```

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(21, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 202, 230) }
```

Border

The CSS property to change the border of an element to RYB 21, 118, 230 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(21, 202, 230) }
```

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

```
.border{ border-color:rgb(21, 202, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(21, 202,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 21, 118, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 202, 230) }
```

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

```
.background{ background-color: rgb(21, 202,  
230) }
```

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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