

Converting Colors

`RYB(21, 114, 207)`

Have a look what the booklet for
RYB(21, 114, 207) contains.

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Color

$\text{RYB}(21, 114, 207)$

Conversions

Conversions Part 1

Format	Color
Hex	15CFCF
RGB	21, 207, 207
RGB Percent	8%, 81%, 81%
CMY	0.9176, 0.1882, 0.1882
CMYK	0.90, 0.00, 0.00, 0.19
HSL	180°, 82%, 45%
HSV	180°, 90%, 81%
XYZ	33.8846, 49.2901, 66.7595
YIQ	151.3860, -110.8560, -39.4320

Conversions

Conversions Part 2

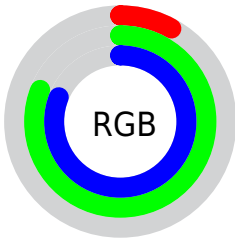
Format	Color
R _Y B	21, 114, 207
Decimal	1429455
CIE Lab	75.63, -40.43, -11.92
CIE LCh	76, 42.151, 196.431
Yxy	49.2901, 0.2260, 0.3287
Android (android.graphics.Color)	4279619535 (0xFF15CFCF)
YUV	151.3860, 27.4177, -114.3485
Hunter-Lab	70.2069, -36.7110, -7.2339

Details

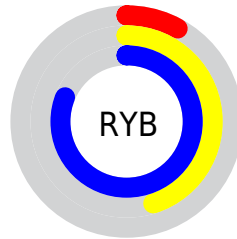
The RYB color **21, 114, 207** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **207, 21, 21**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 76, 153** is the 20% darker color. If you saturate the color by 10%, you get **0, 104, 207**, and if you desaturate by 10%, it is **42, 125, 207**.

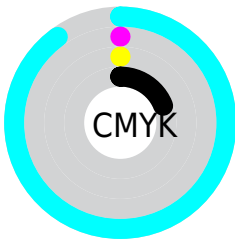
Distribution



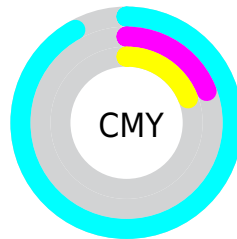
- Red (8%)
- Green (81%)
- Blue (81%)



- Red (8%)
- Yellow (45%)
- Blue (81%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)




















- Cyan (92%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 114, 207 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, 114, 207 by changing the saturation by 10% instead.

 21, 114, 207	 21, 114, 207
 255, 255, 255	 0, 90, 179
 111, 183, 255	 0, 76, 153
 144, 200, 255	 0, 63, 127
 176, 216, 255	 0, 50, 102
 207, 231, 255	 0, 38, 78
 239, 247, 255	 0, 26, 55
	 0, 16, 34
	 0, 0, 11
	 0, 0, 0

■ 21, 114, 207

■ 21, 114, 207

■ 0, 104, 207

■ 42, 125, 207

■ 62, 135, 207

■ 83, 145, 207

■ 104, 156, 207

■ 125, 166, 207

■ 145, 176, 207

■ 166, 187, 207

■ 187, 197, 207

■ 207, 207, 207

Harmonies

Analogous

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



95, 162, 206



21, 114, 207



0, 111, 242

Triad

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



21, 114, 207



217, 168, 240



196, 227, 111

Complementary

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



21, 114, 207



207, 21, 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.



253, 177, 132



21, 114, 207



251, 158, 206

Square

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



21, 114, 207



164, 180, 255



255, 156, 166



110, 191, 111

Rectangle

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



21, 114, 207



68, 145, 255



255, 156, 166



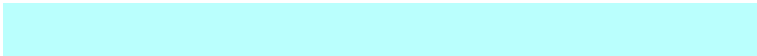
237, 224, 116

Sweetspot

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



21, 114, 207



186, 221, 255



21, 207, 207



87, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 114, 207



0, 128, 255



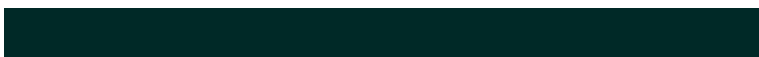
21, 83, 207



94, 100, 105



0, 84, 168



0, 21, 41

Inverse Universe

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



207, 21, 207



255, 0, 255



207, 207, 21



105, 94, 105



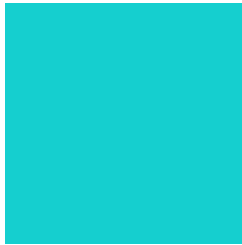
168, 0, 168



41, 0, 41

Previews

White Background



This preview shows how the RYB color 21, 114, 207 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, 114, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

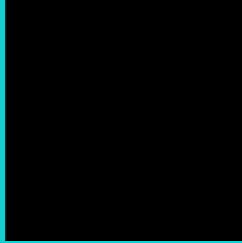
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

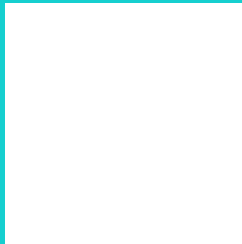
Any Text WCAG AAA ✓ Pass

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

RYB 21, 114, 207 Background



This preview shows how black text looks on a background with the RYB color 21, 114, 207.

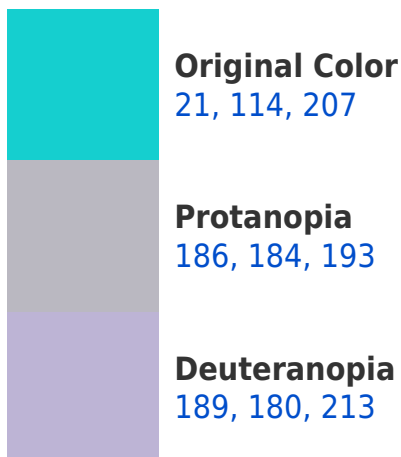


This preview shows how white text looks on a background with the RYB color 21, 114, 207.

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
42, 127, 221

Trichromacy



Original Color

21, 114, 207



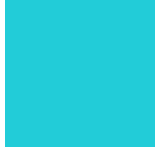
Protanomaly

126, 160, 198



Deuteranomaly

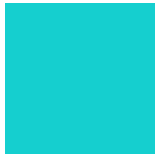
128, 163, 211



Tritanomaly

34, 122, 216

Monochromacy



Original Color

21, 114, 207



Achromatopsia

151, 151, 151



Achromatomaly

104, 138, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 114, 207 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, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(21, 207, 207)  
}
```

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, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 207, 207) }
```

Border

The CSS property to change the border of an element to RYB 21, 114, 207 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, 207, 207) }
```

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

```
.border{ border-color:rgb(21, 207, 207) }
```

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

Here you see how a box with a 4 pixel rgb(21, 207, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(21, 207,  
207) }
```

Background

The CSS property to change the background color of an element to RGB 21, 114, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 207, 207) }
```

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

```
.background{ background-color: rgb(21, 207,  
207) }
```

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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