

Converting Colors

`RYB(21, 113, 213)`

Have a look what the booklet for RYB(21, 113, 213) contains.

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Color

$\text{RYB}(21, 113, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	15C6D5
RGB	21, 198, 213
RGB Percent	8%, 78%, 84%
CMY	0.9176, 0.2249, 0.1647
CMYK	0.90, 0.07, 0.00, 0.16
HSL	185°, 82%, 46%
HSV	185°, 90%, 84%
XYZ	32.4314, 45.1873, 69.9635
YIQ	146.7870, -110.3070, -32.8590

Conversions

Conversions Part 2

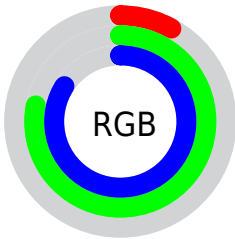
Format	Color
RYB	21, 113, 213
Decimal	1427157
CIELab	73.02, -34.29, -19.11
CIELCh	73, 39.259, 209.128
Yxy	45.1873, 0.2198, 0.3062
Android (android.graphics.Color)	4279617237 (0xFF15C6D5)
YUV	146.7870, 32.6430, -110.3152
Hunter-Lab	67.2215, -31.5193, -14.6534

Details

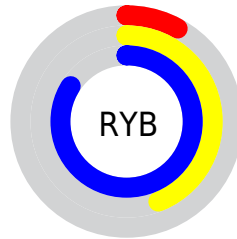
The RYB color **21, 113, 213** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **213, 37, 21**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 75, 158** is the 20% darker color. If you saturate the color by 10%, you get **0, 102, 213**, and if you desaturate by 10%, it is **42, 124, 213**.

Distribution



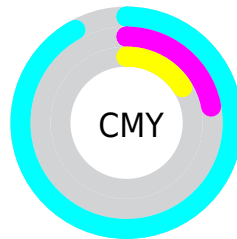
- Red (8%)
- Green (78%)
- Blue (84%)



- Red (8%)
- Yellow (44%)
- Blue (84%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)




















- Cyan (92%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 113, 213 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, 113, 213 by changing the saturation by 10% instead.

 21, 113, 213	 21, 113, 213
 255, 255, 255	 0, 89, 185
 111, 183, 255	 0, 75, 158
 144, 200, 255	 0, 62, 132
 175, 215, 255	 0, 49, 107
 206, 231, 255	 0, 37, 83
 238, 247, 255	 0, 26, 60
	 0, 13, 38
	 0, 1, 16
	 0, 0, 0

■ 21, 113, 213

■ 21, 113, 213

■ 0, 102, 213

■ 42, 124, 213

■ 64, 135, 213

■ 85, 146, 213

■ 106, 157, 213

■ 128, 169, 213

■ 149, 180, 213

■ 170, 191, 213

■ 191, 201, 213

■ 213, 213, 213

Harmonies

Analogous

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



75, 142, 198



21, 113, 213



59, 136, 240

Triad

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



21, 113, 213



224, 158, 217



144, 204, 107

Complementary

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



21, 113, 213



213, 37, 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.



233, 193, 119



21, 113, 213



246, 151, 182

Square

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



21, 113, 213



182, 170, 242



248, 155, 146



115, 188, 136

Rectangle

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



21, 113, 213



104, 157, 249



248, 155, 146



179, 215, 109

Sweetspot

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



21, 113, 213



186, 219, 255



21, 201, 213



87, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 113, 213



0, 122, 255



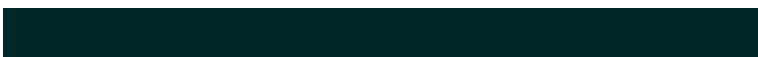
21, 79, 213



96, 101, 107



0, 82, 171



0, 21, 43

Inverse Universe

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



213, 21, 198



255, 0, 235



167, 213, 21



107, 96, 106



171, 0, 157



43, 0, 40

Previews

White Background



This preview shows how the RYB color 21, 113, 213 looks on a white background.

Color Contrast Check

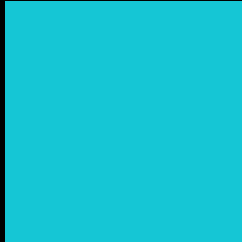
Large Text (above 18pt) WCAG AA × Fail

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, 113, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

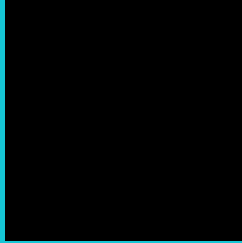
Any Text WCAG AA ✓ Pass

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](#).

R Y B 21, 113, 213 Background



This preview shows how black text looks on a background with the R Y B color 21, 113, 213.



This preview shows how white text looks on a background with the R Y B color 21, 113, 213.

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](#).

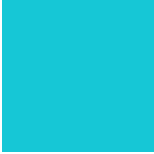
Dichromacy



Original Color
21, 113, 213

Protanopia
175, 176, 199

Deuteranopia
175, 174, 218



Tritanopia
22, 114, 214

Trichromacy



Original Color

21, 113, 213



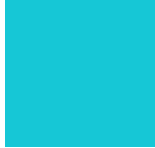
Protanomaly

119, 156, 204



Deuteranomaly

119, 158, 216



Tritanomaly

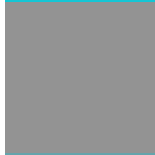
22, 114, 214

Monochromacy



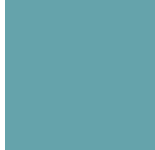
Original Color

21, 113, 213



Achromatopsia

147, 147, 147



Achromatomaly

101, 134, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 113, 213 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, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(21, 198, 213)  
}
```

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, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 198, 213) }
```

Border

The CSS property to change the border of an element to RYB 21, 113, 213 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, 198, 213) }
```

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

```
.border{ border-color:rgb(21, 198, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 198, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 198, 213);  
box-shadow:4px 4px 4px 4px rgb(21, 198,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 21, 113, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 198, 213) }
```

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

```
.background{ background-color: rgb(21, 198,  
213) }
```

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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