

Converting Colors

`RYB(20, 121, 213)`

Have a look what the booklet for RYB(20, 121, 213) contains.

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Color

$\text{RYB}(20, 121, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	14D5C4
RGB	20, 213, 196
RGB Percent	8%, 84%, 77%
CMY	0.9216, 0.1647, 0.2321
CMYK	0.91, 0.00, 0.08, 0.16
HSL	175°, 83%, 46%
HSV	175°, 91%, 84%
XYZ	34.0240, 51.7137, 60.2950
YIQ	153.3550, -109.5710, -46.2030

Conversions

Conversions Part 2

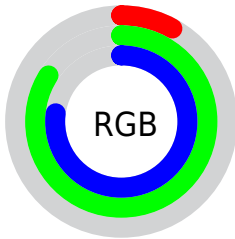
Format	Color
RYB	20, 121, 213
Decimal	1365444
CIELab	77.11, -46.31, -3.70
CIElCh	77, 46.462, 184.572
Yxy	51.7137, 0.2330, 0.3541
Android (android.graphics.Color)	4279555524 (0xFF14D5C4)
YUV	153.3550, 21.0240, -116.9523
Hunter-Lab	71.9123, -41.3923, 0.6268

Details

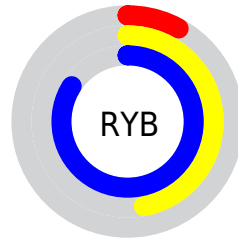
The RYB color **20, 121, 213** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **213, 20, 37**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **111, 184, 255**, and **0, 82, 157** is the 20% darker color. If you saturate the color by 10%, you get **0, 111, 213**, and if you desaturate by 10%, it is **41, 131, 213**.

Distribution



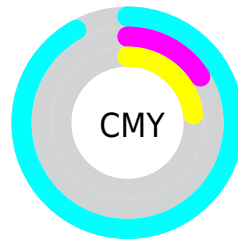
- Red (8%)
- Green (84%)
- Blue (77%)



- Red (8%)
- Yellow (47%)
- Blue (84%)



- Cyan (91%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 20, 121, 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 20, 121, 213 by changing the saturation by 10% instead.

 20, 121, 213

 20, 121, 213

255, 255, 255

 0, 97, 185

 111, 184, 255

 0, 82, 157

 144, 200, 255

 0, 69, 131

 176, 216, 255


 0, 56, 105

 207, 231, 255


 0, 42, 79


 238, 247, 255

 0, 30, 55

 0, 18, 33

 0, 0, 0

 20, 121, 213

 20, 121, 213

■ 0, 111, 213

■ 41, 131, 213

■ 63, 141, 213

■ 84, 152, 213

■ 105, 162, 213

■ 127, 172, 213

■ 148, 182, 213

■ 169, 192, 213

■ 190, 202, 213

■ 212, 213, 213

Harmonies

Analogous

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



111, 181, 210



20, 121, 213



0, 112, 238

Triad

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



20, 121, 213



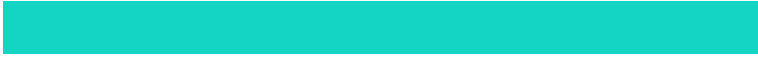
203, 177, 255



247, 228, 113

Complementary

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



20, 121, 213



213, 20, 37

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.



255, 164, 144



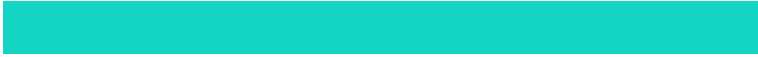
20, 121, 213



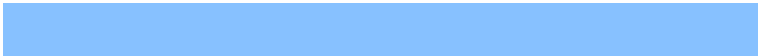
250, 162, 228

Square

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



20, 121, 213



135, 174, 255



255, 156, 185



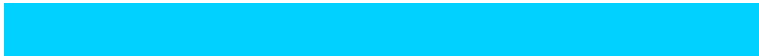
129, 211, 103

Rectangle

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



20, 121, 213



0, 115, 255



255, 156, 185



255, 197, 122

Sweetspot

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



20, 121, 213



186, 222, 255



20, 213, 194



87, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



20, 121, 213



0, 134, 255



20, 92, 213



96, 102, 107



0, 89, 171



0, 23, 43

Inverse Universe

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



213, 20, 37



255, 0, 23



213, 148, 20



107, 96, 97



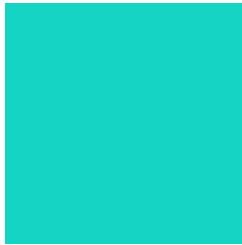
171, 0, 15



43, 0, 4

Previews

White Background



This preview shows how the RYB color 20, 121, 213 looks on a white background.

Color Contrast Check

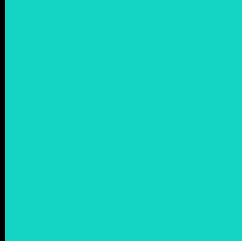
Large Text (above 18pt) WCAG AA × Fail

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 20, 121, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

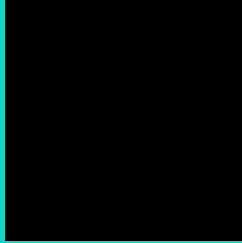
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

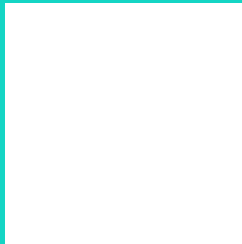
Any Text WCAG AAA ✓ Pass

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

R Y B 20, 121, 213 Background



This preview shows how black text looks on a background with the R Y B color 20, 121, 213.



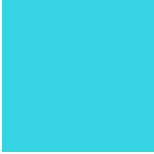
This preview shows how white text looks on a background with the R Y B color 20, 121, 213.

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





Tritanopia
54, 136, 226

Trichromacy



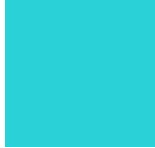
Original Color
20, 121, 213



Protanomaly
131, 167, 197



Deuteranomaly
135, 166, 200



Tritanomaly
42, 127, 215

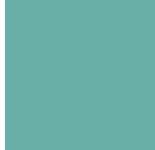
Monochromacy



Original Color
20, 121, 213



Achromatopsia
153, 153, 153



Achromatomaly
105, 142, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 20, 121, 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(20, 213, 196)` looks like.

```
.text, #text, p{  
    color:rgb(20, 213, 196)  
}
```

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(20, 213, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 213, 196) }
```

Border

The CSS property to change the border of an element to RYB 20, 121, 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(20, 213, 196) }
```

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

```
.border{ border-color:rgb(20, 213, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 213, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 213, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 213, 196);  
box-shadow:4px 4px 4px 4px rgb(20, 213,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 20, 121, 213 is called "background".

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

```
.background, #background, body{  
background: rgb(20, 213, 196) }
```

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

```
.background{ background-color: rgb(20, 213,  
196) }
```

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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