

Converting Colors

`RYB(21, 111, 173)`

Have a look what the booklet for
RYB(21, 111, 173) contains.

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Color

$\text{RYB}(21, 111, 173)$

Conversions

Conversions Part 1

Format	Color
Hex	15AD7E
RGB	21, 173, 126
RGB Percent	8%, 68%, 49%
CMY	0.9176, 0.3216, 0.5070
CMYK	0.88, 0.00, 0.27, 0.32
HSL	161°, 78%, 38%
HSV	161°, 88%, 68%
XYZ	19.0001, 31.5455, 24.7285
YIQ	122.1940, -75.5050, -46.8410

Conversions

Conversions Part 2

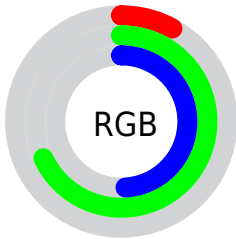
Format	Color
RYB	21, 111, 173
Decimal	1420670
CIELab	62.97, -48.01, 14.12
CIELCh	63, 50.048, 163.608
Yxy	31.5455, 0.2524, 0.4191
Android (android.graphics.Color)	4279610750 (0xFF15AD7E)
YUV	122.1940, 1.8764, -88.7471
Hunter-Lab	56.1654, -37.9049, 13.2115

Details

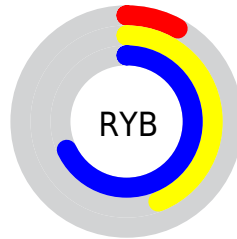
The RYB color **21, 111, 173** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **173, 21, 68**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **98, 179, 229**, and **0, 72, 119** is the 20% darker color. If you saturate the color by 10%, you get **4, 104, 173**, and if you desaturate by 10%, it is **38, 118, 173**.

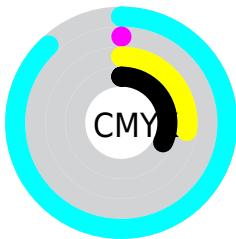
Distribution



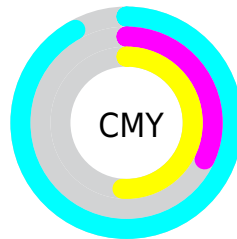
- Red (8%)
- Green (68%)
- Blue (49%)



- Red (8%)
- Yellow (44%)
- Blue (68%)



- Cyan (88%)
- Magenta (0%)
- Yellow (27%)
- Black (32%)



- Cyan (92%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 111, 173 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, 111, 173 by changing the saturation by 10% instead.


 21, 111, 173  21, 111, 173

255, 255, 255  0, 86, 146

 98, 179, 229  0, 72, 119

 128, 207, 255  0, 60, 94

 158, 212, 255  0, 47, 69

 188, 222, 255  0, 38, 46

 218, 237, 255  0, 18, 18

 248, 252, 255  0, 0, 0

 21, 111, 173  21, 111, 173

 4, 104, 173  38, 118, 173

■ 0, 102, 173

■ 56, 125, 173

■ 73, 132, 173

■ 90, 139, 173

■ 108, 146, 173

■ 125, 153, 173

■ 142, 160, 173

■ 159, 167, 173

■ 177, 173, 174

Harmonies

Analogous

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



85, 167, 143



21, 111, 173



0, 88, 175

Triad

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



21, 111, 173



112, 141, 239



226, 135, 93

Complementary

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



21, 111, 173



173, 21, 68

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.



236, 114, 134



21, 111, 173



182, 132, 217

Square

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



21, 111, 173



0, 97, 237



222, 117, 179



165, 198, 65

Rectangle

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



21, 111, 173



0, 93, 200



222, 117, 179



231, 122, 106

Sweetspot

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



21, 111, 173



166, 200, 224



21, 173, 125



77, 98, 112



240, 240, 240



112, 112, 112

Same Dimension

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



21, 111, 173



0, 132, 224



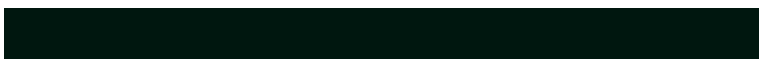
21, 89, 173



78, 83, 87



0, 89, 150



0, 14, 23

Inverse Universe

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



173, 21, 68



224, 0, 70



173, 55, 21



87, 78, 81



150, 0, 47



23, 0, 7

Previews

White Background



This preview shows how the RYB color 21, 111, 173 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, 111, 173 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](#).

RGB 21, 111, 173 Background



This preview shows how black text looks on a background with the RGB color 21, 111, 173.

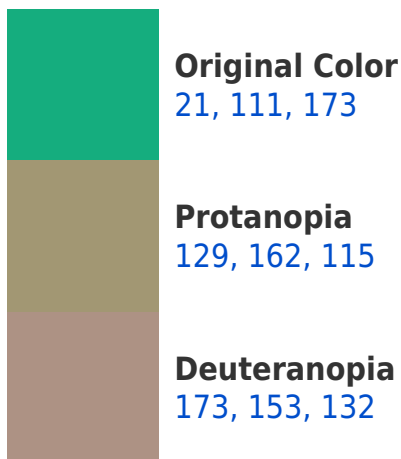



This preview shows how white text looks on a background with the RGB color 21, 111, 173.

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
60, 116, 180

Trichromacy



Original Color

21, 111, 173



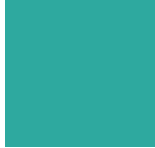
Protanomaly

111, 152, 159



Deuteranomaly

118, 147, 156



Tritanomaly

46, 110, 169

Monochromacy



Original Color

21, 111, 173



Achromatopsia

122, 122, 122



Achromatomaly

85, 118, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 111, 173 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, 173, 126)` looks like.

```
.text, #text, p{  
    color:rgb(21, 173, 126)  
}
```

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, 173, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 173, 126) }
```

Border

The CSS property to change the border of an element to RYB 21, 111, 173 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, 173, 126) }
```

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

```
.border{ border-color:rgb(21, 173, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 173, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 173, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 173, 126);  
box-shadow:4px 4px 4px 4px rgb(21, 173,  
126) }
```

Background

The CSS property to change the background color of an element to RGB 21, 111, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 173, 126) }
```

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

```
.background{ background-color: rgb(21, 173,  
126) }
```

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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