

Converting Colors

`RYB(11, 100, 180)`

Have a look what the booklet for
RYB(11, 100, 180) contains.

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Color

$\text{RYB}(11, 100, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	0BB4A3
RGB	11, 180, 163
RGB Percent	4%, 71%, 64%
CMY	0.9569, 0.2941, 0.3611
CMYK	0.94, 0.00, 0.09, 0.29
HSL	174°, 88%, 37%
HSV	174°, 94%, 71%
XYZ	23.0621, 35.3548, 40.2168
YIQ	127.5310, -95.2670, -41.1150

Conversions

Conversions Part 2

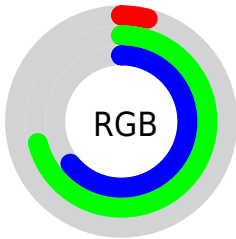
Format	Color
RYB	11, 100, 180
Decimal	767139
CIELab	66.02, -41.69, -2.08
CIElCh	66, 41.745, 182.852
Yxy	35.3548, 0.2338, 0.3584
Android (android.graphics.Color)	4278957219 (0xFF0BB4A3)
YUV	127.5310, 17.4862, -102.1977
Hunter-Lab	59.4599, -34.8219, 1.5201

Details

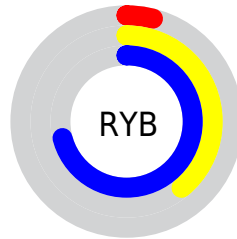
The RYB color **11, 100, 180** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **180, 11, 28**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **99, 173, 237**, and **0, 67, 126** is the 20% darker color. If you saturate the color by 10%, you get **0, 95, 180**, and if you desaturate by 10%, it is **29, 108, 180**.

Distribution



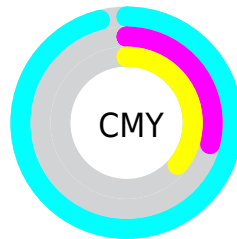
- Red (4%)
- Green (71%)
- Blue (64%)



- Red (4%)
- Yellow (39%)
- Blue (71%)



- Cyan (94%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)




- Cyan (96%)
- Magenta (29%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the RYB color 11, 100, 180 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 11, 100, 180 by changing the saturation by 10% instead.

 11, 100, 180

255, 255, 255

 99, 173, 237


 131, 195, 255


 161, 208, 255


 192, 224, 255

 222, 239, 255

253, 254, 255

 11, 100, 180

 0, 95, 180

 11, 100, 180


 0, 81, 153

 0, 67, 126


 0, 53, 100


 0, 41, 76

 0, 29, 52

 0, 17, 30

 0, 0, 0

 11, 100, 180

 29, 108, 180

■ 47, 117, 180

■ 65, 126, 180

■ 83, 134, 180

■ 101, 143, 180

■ 119, 151, 180

■ 137, 160, 180

■ 155, 168, 180

■ 173, 177, 180

Harmonies

Analogous

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



94, 154, 177



11, 100, 180



0, 94, 200

Triad

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



11, 100, 180



169, 149, 223



211, 188, 94

Complementary

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



11, 100, 180



180, 11, 28

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, 136, 122



11, 100, 180



210, 136, 195

Square

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



11, 100, 180



107, 146, 235



230, 130, 158



111, 180, 84

Rectangle

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



11, 100, 180



0, 98, 219



230, 130, 158



219, 163, 102

Sweetspot

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



11, 100, 180



169, 204, 235



11, 180, 160



77, 98, 117



245, 245, 245



117, 117, 117

Same Dimension

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



11, 100, 180



0, 124, 235



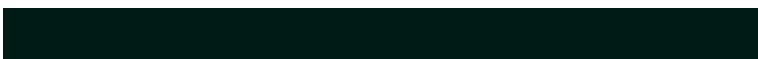
11, 75, 180



80, 85, 89



0, 80, 153



0, 14, 26

Inverse Universe

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



180, 11, 28



235, 0, 24



180, 117, 11



89, 80, 81



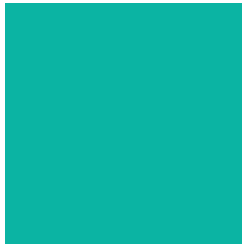
153, 0, 15



26, 0, 3

Previews

White Background



This preview shows how the RYB color 11, 100, 180 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 11, 100, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

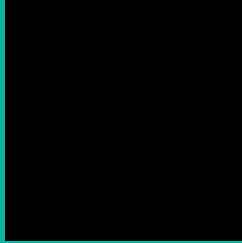
Any Text WCAG AA ✓ Pass

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 11, 100, 180 Background



This preview shows how black text looks on a background with the RYB color 11, 100, 180.



This preview shows how white text looks on a background with the RYB color 11, 100, 180.

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
46, 114, 190

Trichromacy



Original Color

11, 100, 180



Protanomaly

108, 141, 167



Deuteranomaly

113, 139, 166



Tritanomaly

33, 106, 180

Monochromacy



Original Color

11, 100, 180



Achromatopsia

128, 128, 128



Achromatomaly

85, 118, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 11, 100, 180 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(11, 180, 163)` looks like.

```
.text, #text, p{  
    color:rgb(11, 180, 163)  
}
```

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(11, 180, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 180, 163) }
```

Border

The CSS property to change the border of an element to RYB 11, 100, 180 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(11, 180, 163) }
```

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

```
.border{ border-color:rgb(11, 180, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 180, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 180, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 180, 163);  
box-shadow:4px 4px 4px 4px rgb(11, 180,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 11, 100, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 180, 163) }
```

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

```
.background{ background-color: rgb(11, 180,  
163) }
```

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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