

Converting Colors

`RYB(47, 110, 173)`

Have a look what the booklet for
RYB(47, 110, 173) contains.

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Color

RYB(47, 110, 173)

Conversions

Conversions Part 1	
Format	Color
Hex	2FADAD
RGB	47, 173, 173
RGB Percent	18%, 68%, 68%
CMY	0.8157, 0.3216, 0.3216
CMYK	0.73, 0.00, 0.00, 0.32
HSL	180°, 57%, 43%
HSV	180°, 73%, 68%
XYZ	23.6587, 33.5086, 44.7560
YIQ	135.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

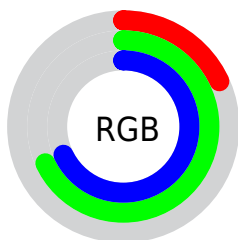
Format	Color
RYB	47, 110, 173
Decimal	3124653
CIELab	64.57, -32.76, -9.79
CIELCh	65, 34.195, 196.638
Yxy	33.5086, 0.2321, 0.3288
Android (android.graphics.Color)	4281314733 (0xFF2FADAD)
YUV	135.3260, 18.5733, -77.4619
Hunter-Lab	57.8866, -28.3473, -5.3204

Details

The RYB color **47, 110, 173** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **173, 47, 47**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **114, 172, 229**, and **0, 60, 121** is the 20% darker color. If you saturate the color by 10%, you get **30, 102, 173**, and if you desaturate by 10%, it is **64, 119, 173**.

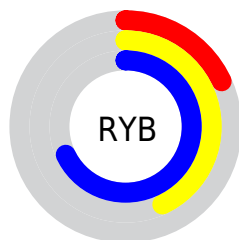
Distribution



Red (18%)

Green (68%)

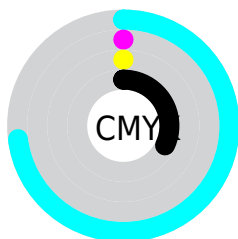
Blue (68%)



Red (18%)

Yellow (43%)

Blue (68%)

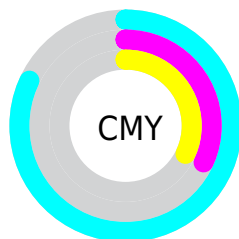


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (82%)


Magenta (32%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the RYB color 47, 110, 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 47, 110, 173 by changing the saturation by 10% instead.

 47, 110, 173

255, 255, 255


 114, 172, 229

 143, 199, 255

 173, 214, 255

 203, 229, 255

 233, 244, 255

 47, 110, 173

 0, 73, 146

 0, 60, 121

 0, 48, 96


 0, 35, 72


 0, 24, 50







 0, 13, 29

 0, 0, 1

 0, 0, 0

 47, 110, 173

 47, 110, 173

 30, 102, 173 64, 119, 173 12, 93, 173 82, 128, 173 0, 87, 173 99, 136, 173 116, 145, 173 134, 154, 173 151, 162, 173 168, 171, 173 185, 173, 173 203, 173, 173

Harmonies

Analogous

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



87, 139, 172



47, 110, 173



42, 113, 200

Triad

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



47, 110, 173



181, 143, 199



165, 189, 97

Complementary

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



47, 110, 173



173, 47, 47

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.



209, 151, 113



47, 110, 173



208, 135, 172

Square

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



47, 110, 173



140, 152, 215



217, 133, 141



97, 160, 97

Rectangle

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



47, 110, 173



72, 128, 212



217, 133, 141



197, 186, 101

Sweetspot

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



47, 110, 173



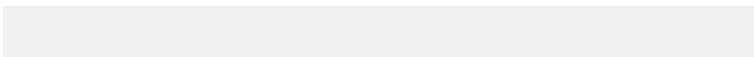
175, 200, 224



47, 173, 173



83, 98, 112



240, 240, 240



112, 112, 112

Same Dimension

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



47, 110, 173



29, 127, 224



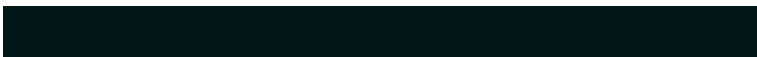
47, 89, 173



78, 83, 87



0, 75, 150



0, 12, 23

Inverse Universe

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



173, 47, 173



224, 29, 224



173, 173, 47



87, 78, 87



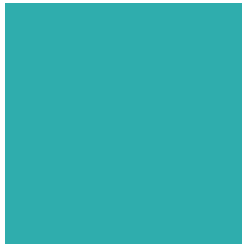
150, 0, 150



23, 0, 23

Previews

White Background



This preview shows how the RYB color 47, 110, 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 47, 110, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

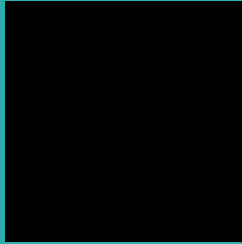
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

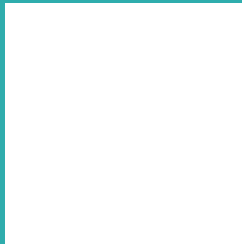
Any Text WCAG AAA ✓ Pass

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

RYB 47, 110, 173 Background



This preview shows how black text looks on a background with the RYB color 47, 110, 173.

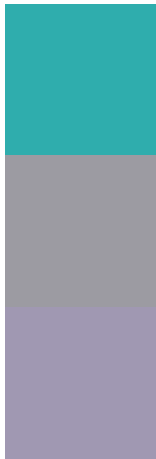


This preview shows how white text looks on a background with the RYB color 47, 110, 173.

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



Original Color

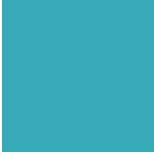
47, 110, 173

Protanopia

156, 155, 162

Deuteranopia

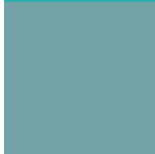
160, 152, 178




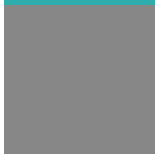
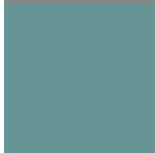
Tritanopia

55, 116, 185

Trichromacy

	Original Color 47, 110, 173
	Protanomaly 116, 140, 166
	Deuteranomaly 119, 143, 176
	Tritanomaly 52, 114, 181

Monochromacy

	Original Color 47, 110, 173
	Achromatopsia 135, 135, 135
	Achromatomaly 103, 126, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 47, 110, 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(47, 173, 173) looks like.

```
.text, #text, p{  
    color:rgb(47, 173, 173)  
}
```

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(47, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 173, 173) }
```

Border

The CSS property to change the border of an element to RYB 47, 110, 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(47, 173, 173) }
```

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

```
.border{ border-color:rgb(47, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(47, 173,  
173) }
```

Background

The CSS property to change the background color of an element to RGB 47, 110, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 173, 173) }
```

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

```
.background{ background-color: rgb(47, 173,  
173) }
```

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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