

Converting Colors

`RYB(47, 126, 188)`

Have a look what the booklet for
RYB(47, 126, 188) contains.

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Color

RYB(47, 126, 188)

Conversions

Conversions Part 1

Format	Color
Hex	2FBC9E
RGB	47, 188, 158
RGB Percent	18%, 74%, 62%
CMY	0.8157, 0.2627, 0.3817
CMYK	0.75, 0.00, 0.16, 0.26
HSL	167°, 60%, 46%
HSV	167°, 75%, 74%
XYZ	25.2977, 39.0276, 38.3935
YIQ	142.4210, -74.4060, -39.2220

Conversions

Conversions Part 2

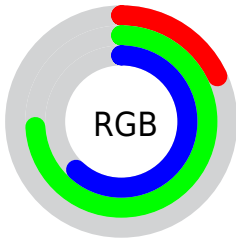
Format	Color
RYB	47, 126, 188
Decimal	3128478
CIELab	68.77, -43.77, 4.86
CIElCh	69, 44.037, 173.662
Yxy	39.0276, 0.2463, 0.3799
Android (android.graphics.Color)	4281318558 (0xFF2FBC9E)
YUV	142.4210, 7.6804, -83.6842
Hunter-Lab	62.4721, -37.0438, 7.2926

Details

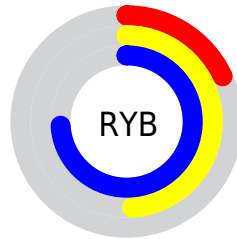
The RYB color **47, 126, 188** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **188, 47, 77**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **115, 189, 245**, and **0, 75, 134** is the 20% darker color. If you saturate the color by 10%, you get **28, 118, 188**, and if you desaturate by 10%, it is **66, 134, 188**.

Distribution



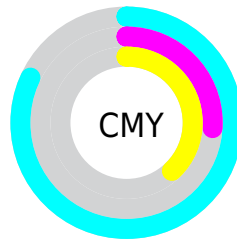
- Red (18%)
- Green (74%)
- Blue (62%)



- Red (18%)
- Yellow (49%)
- Blue (74%)



- Cyan (75%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)






















- Cyan (82%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 126, 188 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, 126, 188 by changing the saturation by 10% instead.

 47, 126, 188	 47, 126, 188
 255, 255, 255	 0, 88, 161
 115, 189, 245	 0, 75, 134
 145, 204, 255	 0, 61, 108
 175, 215, 255	 0, 49, 83
 205, 230, 255	 0, 35, 58
 235, 245, 255	 0, 25, 37
	 0, 0, 0

 47, 126, 188	 47, 126, 188
 28, 118, 188	 66, 134, 188

■ 9, 109, 188

■ 85, 143, 188

■ 0, 105, 188

■ 103, 151, 188

■ 122, 159, 188

■ 141, 167, 188

■ 160, 176, 188

■ 179, 184, 188

■ 197, 188, 190

■ 216, 188, 194

Harmonies

Analogous

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



114, 179, 184



47, 126, 188



0, 96, 198

Triad

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



47, 126, 188



159, 161, 241



229, 171, 105

Complementary

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



47, 126, 188



188, 47, 77

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.



244, 137, 138



47, 126, 188



209, 146, 215

Square

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



47, 126, 188



85, 142, 246



238, 136, 178



142, 200, 87

Rectangle

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



47, 126, 188



0, 101, 222



238, 136, 178



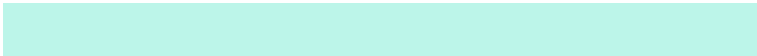
236, 153, 115

Sweetspot

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



47, 126, 188



188, 220, 245



47, 188, 157



88, 107, 122



250, 250, 250



122, 122, 122

Same Dimension

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



47, 126, 188



24, 148, 245



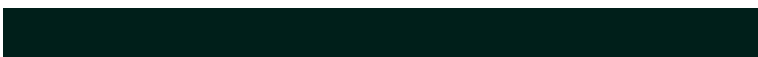
47, 106, 188



85, 90, 94



0, 89, 158



0, 17, 31

Inverse Universe

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



188, 47, 77



245, 24, 72



188, 103, 47



94, 85, 87



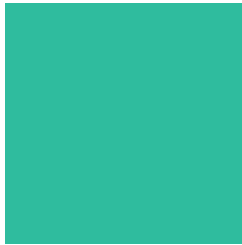
158, 0, 34



31, 0, 7

Previews

White Background



This preview shows how the RYB color 47, 126, 188 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, 126, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

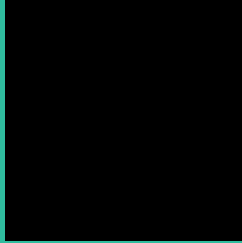
Any Text WCAG AA ✓ Pass

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, 126, 188 Background



This preview shows how black text looks on a background with the RYB color 47, 126, 188.



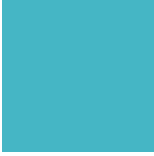
This preview shows how white text looks on a background with the RYB color 47, 126, 188.

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
69, 129, 197

Trichromacy



Original Color

47, 126, 188



Protanomaly

128, 159, 174



Deuteranomaly

134, 155, 171



Tritanomaly

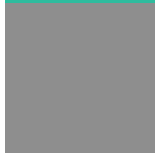
61, 123, 184

Monochromacy



Original Color

47, 126, 188



Achromatopsia

142, 142, 142



Achromatomaly

107, 136, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 126, 188 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, 188, 158)` looks like.

```
.text, #text, p{  
    color:rgb(47, 188, 158)  
}
```

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, 188, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 188, 158) }
```

Border

The CSS property to change the border of an element to RYB 47, 126, 188 is called "border". The border property can be set on classes, ids or directly on the HTML element.

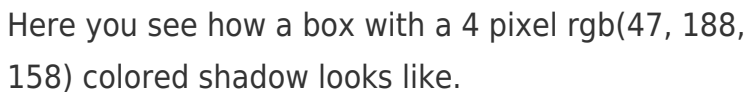
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 188, 158) }
```

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

```
.border{ border-color:rgb(47, 188, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 188, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 188, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 188, 158);  
box-shadow:4px 4px 4px 4px rgb(47, 188,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 47, 126, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 188, 158) }
```

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

```
.background{ background-color: rgb(47, 188,  
158) }
```

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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