

Converting Colors

`RYB(32, 110, 166)`

Have a look what the booklet for
RYB(32, 110, 166) contains.

RYB(32, 110, 166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(32, 110, 166)

Conversions

Conversions Part 1

Format	Color
Hex	20A680
RGB	32, 166, 128
RGB Percent	13%, 65%, 50%
CMY	0.8745, 0.3490, 0.4972
CMYK	0.81, 0.00, 0.23, 0.35
HSL	163°, 68%, 39%
HSV	163°, 81%, 65%
XYZ	18.1417, 29.1434, 25.1620
YIQ	121.6020, -67.6660, -40.2260

Conversions

Conversions Part 2

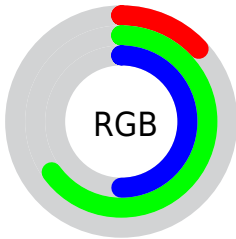
Format	Color
RYB	32, 110, 166
Decimal	2139776
CIELab	60.91, -43.62, 9.87
CIELCh	61, 44.719, 167.252
Yxy	29.1434, 0.2504, 0.4023
Android (android.graphics.Color)	4280329856 (0xFF20A680)
YUV	121.6020, 3.1542, -78.5810
Hunter-Lab	53.9847, -34.4878, 10.1544

Details

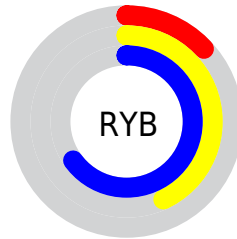
The RYB color **32, 110, 166** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **166, 32, 70**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **101, 174, 222**, and **0, 67, 113** is the 20% darker color. If you saturate the color by 10%, you get **15, 103, 166**, and if you desaturate by 10%, it is **49, 117, 166**.

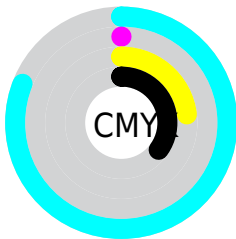
Distribution



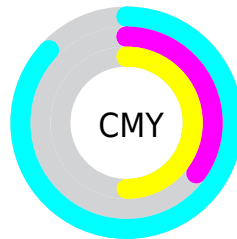
- Red (13%)
- Green (65%)
- Blue (50%)



- Red (13%)
- Yellow (43%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (23%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 110, 166 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 32, 110, 166 by changing the saturation by 10% instead.



32, 110, 166



32, 110, 166

255, 255, 255



0, 80, 139



101, 174, 222



0, 67, 113



131, 204, 251



0, 54, 88



160, 212, 255



0, 41, 63



189, 222, 255



0, 32, 42



219, 237, 255



0, 6, 6



249, 252, 255



0, 0, 0



32, 110, 166



32, 110, 166



15, 103, 166



49, 117, 166

■ 0, 97, 166

■ 65, 124, 166

■ 82, 131, 166

■ 98, 138, 166

■ 115, 145, 166

■ 132, 152, 166

■ 148, 158, 166

■ 165, 166, 166

■ 181, 166, 170

Harmonies

Analogous

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



91, 161, 149



32, 110, 166



0, 84, 169

Triad

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



32, 110, 166



122, 139, 222



211, 137, 91

Complementary

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



32, 110, 166



166, 32, 70

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.



222, 115, 126



32, 110, 166



179, 128, 201

Square

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



32, 110, 166



2, 93, 224



212, 116, 166



145, 185, 69

Rectangle

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



32, 110, 166



0, 89, 194



212, 116, 166



217, 124, 101

Sweetspot

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



32, 110, 166



165, 195, 217



32, 166, 128



78, 97, 110



237, 237, 237



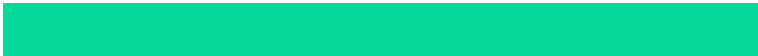
110, 110, 110

Same Dimension

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



32, 110, 166



7, 130, 217



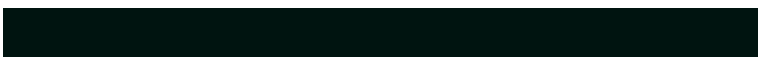
32, 91, 166



76, 81, 84



0, 86, 148



0, 11, 20

Inverse Universe

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



166, 32, 70



217, 7, 66



166, 69, 32



84, 76, 78



148, 0, 42



20, 0, 6

Previews

White Background



This preview shows how the RYB color 32, 110, 166 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 110, 166 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 × Fail

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

RYB 32, 110, 166 Background



This preview shows how black text looks on a background with the RYB color 32, 110, 166.

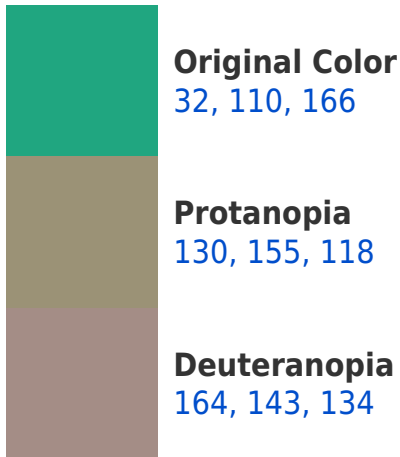


This preview shows how white text looks on a background with the RYB color 32, 110, 166.

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
59, 113, 173

Trichromacy



Original Color

32, 110, 166



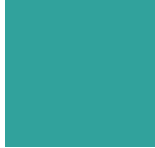
Protanomaly

110, 144, 153



Deuteranomaly

116, 139, 150



Tritanomaly

49, 107, 162

Monochromacy



Original Color

32, 110, 166



Achromatopsia

122, 122, 122



Achromatomaly

89, 118, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 110, 166 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(32, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(32, 166, 128)  
}
```

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(32, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 166, 128) }
```

Border

The CSS property to change the border of an element to RYB 32, 110, 166 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(32, 166, 128) }
```

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

```
.border{ border-color:rgb(32, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 166, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 166, 128);  
box-shadow:4px 4px 4px 4px rgb(32, 166,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 32, 110, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 166, 128) }
```

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

```
.background{ background-color: rgb(32, 166,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor