

Converting Colors

`RYB(50, 96, 140)`

Have a look what the booklet for
RYB(50, 96, 140) contains.

RYB(50, 96, 140)	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(50, 96, 140)

Conversions

Conversions Part 1

Format	Color
Hex	328C88
RGB	50, 140, 136
RGB Percent	20%, 55%, 53%
CMY	0.8039, 0.4510, 0.4663
CMYK	0.64, 0.00, 0.03, 0.45
HSL	177°, 47%, 37%
HSV	177°, 64%, 55%
XYZ	15.1436, 21.2143, 26.6216
YIQ	112.6340, -52.3560, -20.3240

Conversions

Conversions Part 2

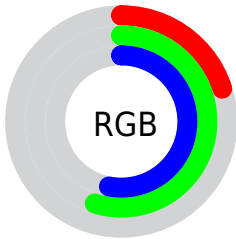
Format	Color
R_{YB}	50, 96, 140
Decimal	3312776
CIE _{Lab}	53.18, -27.14, -5.78
CIE _{LCh}	53, 27.751, 192.020
Y _{xy}	21.2143, 0.2405, 0.3368
Android (android.graphics.Color)	4281502856 (0xFF328C88)
YUV	112.6340, 11.5194, -54.9300
Hunter-Lab	46.0590, -21.9148, -2.0276

Details

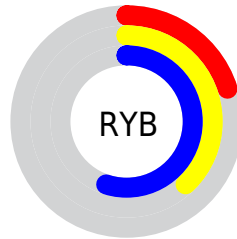
The RYB color **50, 96, 140** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **140, 50, 54**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **108, 152, 194**, and **0, 45, 89** is the 20% darker color. If you saturate the color by 10%, you get **36, 89, 140**, and if you desaturate by 10%, it is **64, 103, 140**.

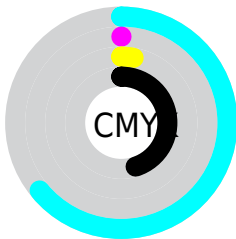
Distribution



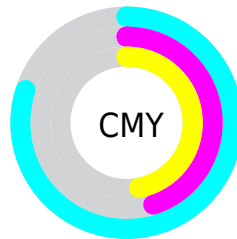
- Red (20%)
- Green (55%)
- Blue (53%)



- Red (20%)
- Yellow (38%)
- Blue (55%)



- Cyan (64%)
- Magenta (0%)
- Yellow (3%)
- Black (45%)



- Cyan (80%)
- Magenta (45%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 96, 140 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 50, 96, 140 by changing the saturation by 10% instead.



50, 96, 140



50, 96, 140

255, 255, 255



9, 62, 114



108, 152, 194



0, 45, 89



136, 180, 222



0, 33, 65



164, 209, 251



0, 22, 43



193, 224, 255



0, 10, 21



222, 239, 255



0, 0, 0



251, 253, 255



50, 96, 140



50, 96, 140



36, 89, 140



64, 103, 140

■ 22, 82, 140

■ 78, 110, 140

■ 8, 76, 140

■ 92, 117, 140

■ 0, 72, 140

■ 106, 123, 140

■ 120, 130, 140

■ 134, 137, 140

■ 148, 140, 140

■ 162, 140, 141

■ 176, 140, 142

Harmonies

Analogous

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



78, 118, 139



50, 96, 140



42, 95, 158

Triad

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



50, 96, 140



142, 117, 163



148, 156, 82

Complementary

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



50, 96, 140



140, 50, 54

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.



170, 118, 96



50, 96, 140



165, 111, 142

Square

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



50, 96, 140



109, 122, 173



174, 109, 118



86, 134, 80

Rectangle

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



50, 96, 140



59, 104, 169



174, 109, 118



162, 141, 86

Sweetspot

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



50, 96, 140



147, 164, 181



50, 140, 136



71, 82, 92



219, 219, 219



92, 92, 92

Same Dimension

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



50, 96, 140



42, 113, 181



50, 82, 140



62, 66, 69



0, 68, 133



0, 3, 5

Inverse Universe

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



140, 50, 54



181, 42, 48



140, 125, 50



69, 62, 62



133, 0, 6



5, 0, 0

Previews

White Background



This preview shows how the RYB color 50, 96, 140 looks on a white background.

Color Contrast Check

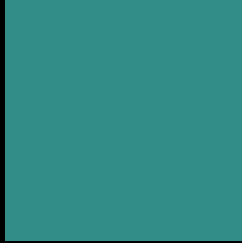
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 96, 140 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](#).

R Y B 50, 96, 140 Background



This preview shows how black text looks on a background with the R Y B color 50, 96, 140.

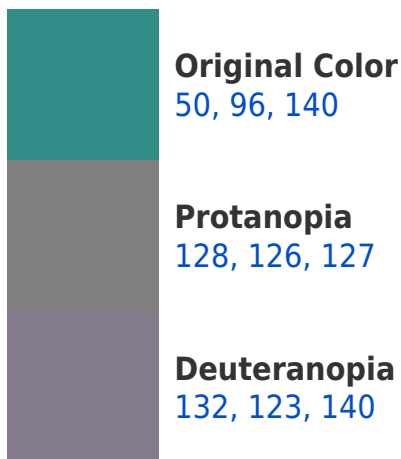


This preview shows how white text looks on a background with the R Y B color 50, 96, 140.

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
56, 100, 149

Trichromacy



Original Color

50, 96, 140

Protanomaly

100, 116, 131

Deuteranomaly

102, 118, 139

Tritanomaly

54, 98, 144

Monochromacy



Original Color

50, 96, 140

Achromatopsia

113, 113, 113

Achromatomaly

90, 107, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 96, 140 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(50, 140, 136)` looks like.

```
.text, #text, p{  
    color:rgb(50, 140, 136)  
}
```

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(50, 140, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 140, 136) }
```

Border

The CSS property to change the border of an element to RYB 50, 96, 140 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(50, 140, 136) }
```

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

```
.border{ border-color:rgb(50, 140, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 140, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 140, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 140, 136);  
box-shadow:4px 4px 4px 4px rgb(50, 140,  
136) }
```

Background

The CSS property to change the background color of an element to RGB 50, 96, 140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 140, 136) }
```

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

```
.background{ background-color: rgb(50, 140,  
136) }
```

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