

Converting Colors

`RYB(33, 84, 132)`

Have a look what the booklet for
RYB(33, 84, 132) contains.

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Color

`RYB(33, 84, 132)`

Conversions

Conversions Part 1

Format	Color
Hex	21847E
RGB	33, 132, 126
RGB Percent	13%, 52%, 49%
CMY	0.8706, 0.4824, 0.5052
CMYK	0.75, 0.00, 0.04, 0.48
HSL	176°, 60%, 32%
HSV	176°, 75%, 52%
XYZ	12.6558, 18.3368, 22.6707
YIQ	101.7150, -57.0780, -22.8540

Conversions

Conversions Part 2

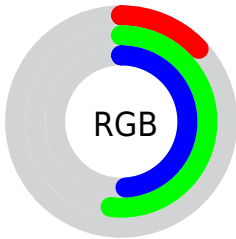
Format	Color
RYB	33, 84, 132
Decimal	2196606
CIELab	49.90, -28.74, -4.92
CIElCh	50, 29.157, 189.706
Yxy	18.3368, 0.2358, 0.3417
Android (android.graphics.Color)	4280386686 (0xFF21847E)
YUV	101.7150, 11.9725, -60.2631
Hunter-Lab	42.8215, -22.1824, -1.4146

Details

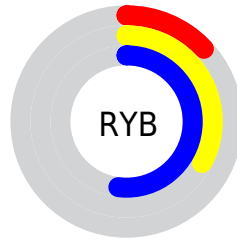
The RYB color **33, 84, 132** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **132, 33, 39**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **95, 142, 186**, and **0, 42, 82** is the 20% darker color. If you saturate the color by 10%, you get **20, 78, 132**, and if you desaturate by 10%, it is **46, 90, 132**.

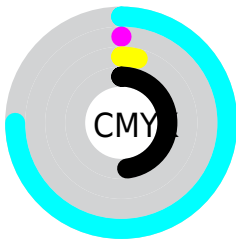
Distribution



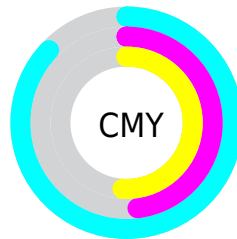
- Red (13%)
- Green (52%)
- Blue (49%)



- Red (13%)
- Yellow (33%)
- Blue (52%)



- Cyan (75%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)



- Cyan (87%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 84, 132 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 33, 84, 132 by changing the saturation by 10% instead.



33, 84, 132



33, 84, 132

255, 255, 255



0, 54, 106



95, 142, 186



0, 42, 82



123, 170, 213



0, 30, 58



151, 199, 242



0, 20, 37



180, 218, 255



0, 0, 11



209, 232, 255



0, 0, 0



238, 247, 255



33, 84, 132



33, 84, 132



20, 78, 132



46, 90, 132

■ 7, 71, 132

■ 59, 97, 132

■ 0, 68, 132

■ 73, 103, 132

■ 86, 110, 132

■ 99, 116, 132

■ 112, 122, 132

■ 125, 129, 132

■ 139, 132, 132

■ 152, 132, 133

Harmonies

Analogous

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



69, 110, 131



33, 84, 132



8, 74, 150

Triad

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



33, 84, 132



132, 109, 157



149, 149, 73

Complementary

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



33, 84, 132



132, 33, 39

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.



164, 107, 88



33, 84, 132



156, 102, 136

Square

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



33, 84, 132



96, 113, 167



167, 99, 111



77, 127, 69

Rectangle

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



33, 84, 132



37, 89, 161



167, 99, 111



155, 128, 77

Sweetspot

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



33, 84, 132



132, 152, 171



33, 132, 125



62, 75, 87



214, 214, 214



87, 87, 87

Same Dimension

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



33, 84, 132



17, 96, 171



33, 69, 132



60, 63, 66



0, 67, 130



0, 2, 3

Inverse Universe

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



132, 33, 39



171, 17, 26



132, 109, 33



66, 60, 60



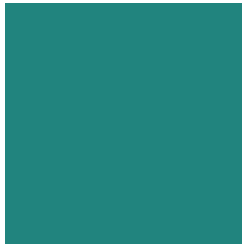
130, 0, 8



3, 0, 0

Previews

White Background



This preview shows how the RYB color 33, 84, 132 looks on a white 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

Black Background



This preview shows how the RYB color 33, 84, 132 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 33, 84, 132 Background



This preview shows how black text looks on a background with the R Y B color 33, 84, 132.



This preview shows how white text looks on a background with the R Y B color 33, 84, 132.

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
42, 88, 140

Trichromacy



Original Color

33, 84, 132

Protanomaly

88, 105, 122

Deuteranomaly

91, 108, 129

Tritanomaly

39, 86, 135

Monochromacy



Original Color

33, 84, 132

Achromatopsia

102, 102, 102

Achromatomaly

77, 96, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 84, 132 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(33, 132, 126)` looks like.

```
.text, #text, p{  
    color:rgb(33, 132, 126)  
}
```

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(33, 132, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 132, 126) }
```

Border

The CSS property to change the border of an element to RYB 33, 84, 132 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(33, 132, 126) }
```

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

```
.border{ border-color:rgb(33, 132, 126) }
```

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

Here you see how a box with a 4 pixel rgb(33, 132, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 132, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 132, 126);  
box-shadow:4px 4px 4px 4px rgb(33, 132,  
126) }
```

Background

The CSS property to change the background color of an element to RYB 33, 84, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 132, 126) }
```

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

```
.background{ background-color: rgb(33, 132,  
126) }
```

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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