

Converting Colors

`RYB(33, 75, 117)`

Have a look what the booklet for
RYB(33, 75, 117) contains.

RYB(33, 75, 117)	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(33, 75, 117)

Conversions

Conversions Part 1

Format	Color
Hex	217575
RGB	33, 117, 117
RGB Percent	13%, 46%, 46%
CMY	0.8706, 0.5412, 0.5412
CMYK	0.72, 0.00, 0.00, 0.54
HSL	180°, 56%, 29%
HSV	180°, 72%, 46%
XYZ	10.1994, 14.3303, 19.0581
YIQ	91.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

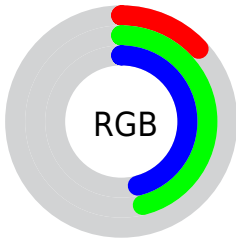
Format	Color
RYB	33, 75, 117
Decimal	2192757
CIELab	44.70, -24.05, -7.22
CIElCh	45, 25.109, 196.701
Yxy	14.3303, 0.2340, 0.3288
Android (android.graphics.Color)	4280382837 (0xFF217575)
YUV	91.8840, 12.3822, -51.6413
Hunter-Lab	37.8553, -18.1535, -3.3505

Details

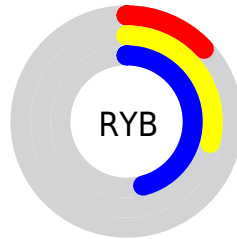
The RYB color **33, 75, 117** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **117, 33, 33**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **92, 131, 169**, and **0, 34, 69** is the 20% darker color. If you saturate the color by 10%, you get **21, 69, 117**, and if you desaturate by 10%, it is **45, 81, 117**.

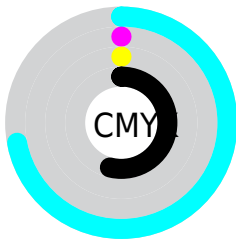
Distribution



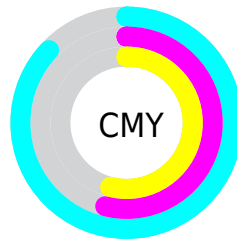
- Red (13%)
- Green (46%)
- Blue (46%)



- Red (13%)
- Yellow (29%)
- Blue (46%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (87%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 75, 117 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, 75, 117 by changing the saturation by 10% instead.



33, 75, 117



33, 75, 117

255, 255, 255



0, 46, 92



92, 131, 169



0, 34, 69



119, 158, 197



0, 23, 47



147, 186, 225



0, 13, 26



175, 215, 254



0, 0, 0



204, 230, 255



233, 244, 255



33, 75, 117



33, 75, 117



21, 69, 117



45, 81, 117

■ 10, 64, 117

■ 56, 87, 117

■ 0, 59, 117

■ 68, 93, 117

■ 80, 99, 117

■ 92, 105, 117

■ 103, 110, 117

■ 115, 116, 117

■ 127, 117, 117

■ 138, 117, 117

Harmonies

Analogous

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



58, 93, 116



33, 75, 117



31, 77, 135

Triad

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



33, 75, 117



123, 96, 135



112, 128, 65

Complementary

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



33, 75, 117



117, 33, 33

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.



142, 101, 76



33, 75, 117



141, 91, 116

Square

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



33, 75, 117



95, 103, 146



147, 90, 95



65, 108, 65

Rectangle

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



33, 75, 117



50, 87, 144



147, 90, 95



133, 127, 68

Sweetspot

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



33, 75, 117



119, 136, 153



33, 117, 117



57, 67, 77



204, 204, 204



77, 77, 77

Same Dimension

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



33, 75, 117



21, 87, 153



33, 61, 117



53, 56, 59



0, 61, 122



0, 125, 250

Inverse Universe

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



117, 33, 117



153, 21, 153



117, 117, 33



59, 53, 59



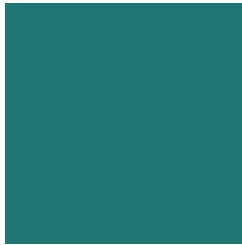
122, 0, 122



250, 0, 250

Previews

White Background



This preview shows how the RYB color 33, 75, 117 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, 75, 117 looks on a black 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

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

R Y B 33, 75, 117 Background



This preview shows how black text looks on a background with the R Y B color 33, 75, 117.



This preview shows how white text looks on a background with the R Y B color 33, 75, 117.

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](#).

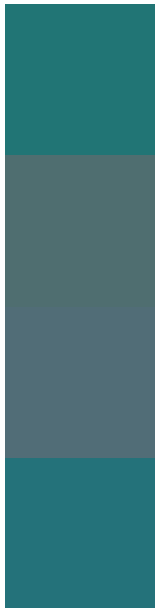
Dichromacy





Tritanopia
38, 79, 125

Trichromacy



Original Color

33, 75, 117

Protanomaly

79, 95, 112

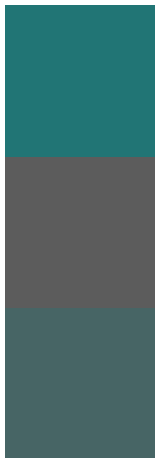
Deuteranomaly

81, 97, 119

Tritanomaly

36, 77, 122

Monochromacy



Original Color

33, 75, 117

Achromatopsia

92, 92, 92

Achromatomaly

71, 86, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 75, 117 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, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(33, 117, 117)  
}
```

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, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 117, 117) }
```

Border

The CSS property to change the border of an element to RYB 33, 75, 117 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, 117, 117) }
```

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

```
.border{ border-color:rgb(33, 117, 117) }
```

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

Here you see how a box with a 4 pixel rgb(33, 117, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(33, 117,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 33, 75, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 117, 117) }
```

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

```
.background{ background-color: rgb(33, 117,  
117) }
```

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