

Converting Colors

`RYB(99, 112, 133)`

Have a look what the booklet for
RYB(99, 112, 133) contains.

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Color

R_YB(99, 112, 133)

Conversions

Conversions Part 1

Format	Color
Hex	637885
RGB	99, 120, 133
RGB Percent	39%, 47%, 52%
CMY	0.6118, 0.5292, 0.4784
CMYK	0.26, 0.10, 0.00, 0.48
HSL	203°, 15%, 45%
HSV	203°, 26%, 52%
XYZ	16.1014, 17.7905, 24.7756
YIQ	115.2030, -16.6890, -0.4090

Conversions

Conversions Part 2

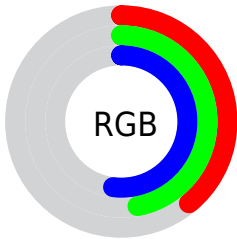
Format	Color
R_{YB}	99, 112, 133
Decimal	6518917
CIE Lab	49.24, -4.55, -9.62
CIE LCh	49, 10.639, 244.669
Yxy	17.7905, 0.2745, 0.3032
Android (android.graphics.Color)	4284708997 (0xFF637885)
YUV	115.2030, 8.7739, -14.2100
Hunter-Lab	42.1788, -5.6719, -5.3014

Details

The RYB color **99, 112, 133** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **133, 120, 99**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **150, 164, 186**, and **51, 64, 84** is the 20% darker color. If you saturate the color by 10%, you get **86, 104, 133**, and if you desaturate by 10%, it is **112, 120, 133**.

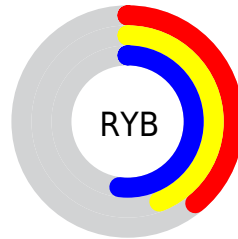
Distribution



Red (39%)

Green (47%)

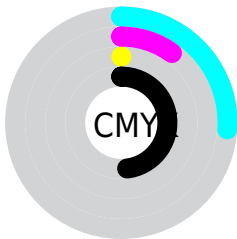
Blue (52%)



Red (39%)

Yellow (44%)

Blue (52%)

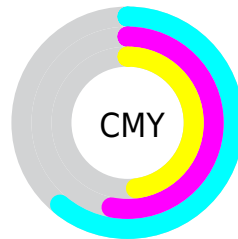


Cyan (26%)

Magenta (10%)

Yellow (0%)

Black (48%)



Cyan (61%)

Magenta (53%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 112, 133 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 99, 112, 133 by changing the saturation by 10% instead.



99, 112, 133



99, 112, 133

255, 255, 255



75, 87, 108



150, 164, 186



51, 64, 84



177, 191, 214



29, 41, 60



205, 219, 242



6, 19, 39



233, 244, 255



0, 1, 18



0, 0, 0



99, 112, 133



99, 112, 133



86, 104, 133



112, 120, 133



72, 95, 133



126, 129, 133

■ 59, 87, 133

■ 139, 136, 133

■ 46, 79, 133

■ 152, 144, 133

■ 32, 71, 133

■ 166, 152, 133

■ 19, 63, 133

■ 179, 160, 133

■ 6, 55, 133

■ 192, 171, 133

■ 0, 51, 133

■ 205, 179, 133

■ 219, 187, 133

Harmonies

Analogous

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



94, 109, 127



99, 112, 133



109, 115, 135

Triad

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



99, 112, 133



136, 111, 116



102, 120, 109

Complementary

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



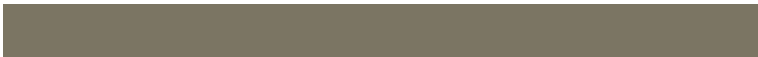
99, 112, 133



133, 120, 99

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.



107, 123, 99



99, 112, 133



136, 113, 107

Square

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



99, 112, 133



130, 112, 125



131, 124, 101



103, 117, 122

Rectangle

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



99, 112, 133



117, 115, 133



131, 124, 101



101, 119, 104

Sweetspot

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



99, 112, 133



160, 165, 173



99, 124, 133



78, 81, 87



214, 214, 214



87, 87, 87

Same Dimension

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



99, 112, 133



120, 140, 173



99, 103, 133



60, 62, 66



0, 50, 130



0, 1, 3

Inverse Universe

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



133, 99, 120



173, 120, 153



105, 133, 99



66, 60, 64



130, 0, 81



3, 0, 2

Previews

White Background



This preview shows how the RYB color 99, 112, 133 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 99, 112, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

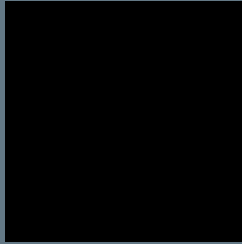
Any Text WCAG AA ✓ Pass

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 99, 112, 133 Background



This preview shows how black text looks on a background with the R Y B color 99, 112, 133.



This preview shows how white text looks on a background with the R Y B color 99, 112, 133.

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



Original Color
[99](#), [112](#), [133](#)

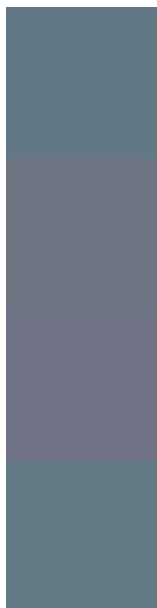
Protanopia
[115](#), [116](#), [130](#)

Deuteranopia
[120](#), [114](#), [134](#)



Tritanopia
98, 111, 130

Trichromacy



Original Color

99, 112, 133

Protanomaly

109, 115, 131

Deuteranomaly

112, 115, 134

Tritanomaly

98, 112, 131

Monochromacy



Original Color

99, 112, 133

Achromatopsia

115, 115, 115

Achromatomaly

109, 114, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 112, 133 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(99, 120, 133)` looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 133)  
}
```

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(99, 120, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 133) }
```

Border

The CSS property to change the border of an element to RYB 99, 112, 133 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(99, 120, 133) }
```

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

```
.border{ border-color:rgb(99, 120, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 120, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 133);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 99, 112, 133 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 133) }
```

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

```
.background{ background-color: rgb(99, 120,  
133) }
```

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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