

Converting Colors

`RYB(90, 108, 170)`

Have a look what the booklet for
RYB(90, 108, 170) contains.

RYB(90, 108, 170)	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(90, 108, 170)

Conversions

Conversions Part 1

Format	Color
Hex	5A71AA
RGB	90, 113, 170
RGB Percent	35%, 44%, 67%
CMY	0.6471, 0.5560, 0.3333
CMYK	0.47, 0.33, 0.00, 0.33
HSL	223°, 32%, 51%
HSV	223°, 47%, 67%
XYZ	17.4025, 16.9366, 40.3821
YIQ	112.6210, -32.0050, 12.8510

Conversions

Conversions Part 2

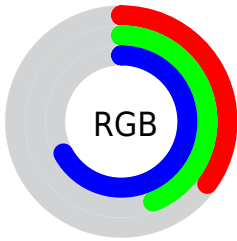
Format	Color
R _Y B	90, 108, 170
Decimal	5927338
CIE Lab	48.18, 7.28, -33.04
CIE LCh	48, 33.832, 282.427
Yxy	16.9366, 0.2329, 0.2267
Android (android.graphics.Color)	4284117418 (0xFF5A71AA)
YUV	112.6210, 28.2878, -19.8386
Hunter-Lab	41.1542, 3.4610, -29.3698

Details

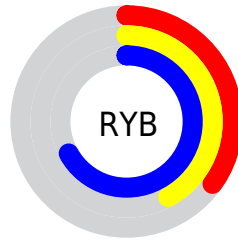
The RYB color **90, 108, 170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **122, 170, 90**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **144, 161, 226**, and **35, 57, 117** is the 20% darker color. If you saturate the color by 10%, you get **73, 95, 170**, and if you desaturate by 10%, it is **107, 121, 170**.

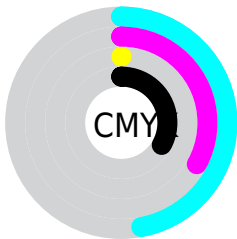
Distribution



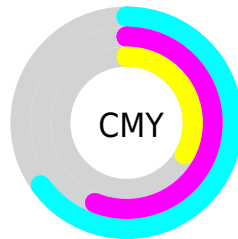
- Red (35%)
- Green (44%)
- Blue (67%)



- Red (35%)
- Yellow (42%)
- Blue (67%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 108, 170 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 90, 108, 170 by changing the saturation by 10% instead.

■ 90, 108, 170

255, 255, 255

■ 144, 161, 226

■ 171, 188, 254

■ 200, 215, 255

■ 228, 239, 255

■ 90, 108, 170

■ 63, 83, 143

■ 35, 57, 117

■ 0, 30, 93

■ 0, 18, 69

■ 0, 4, 46

■ 0, 1, 24

■ 0, 0, 0

■ 90, 108, 170

■ 73, 95, 170

■ 90, 108, 170

■ 107, 121, 170

■ 56, 82, 170

■ 124, 134, 170

■ 39, 68, 170

■ 141, 147, 170

■ 22, 55, 170

■ 158, 160, 170

■ 5, 42, 170

■ 171, 175, 170

■ 0, 38, 170

■ 178, 192, 170

■ 185, 209, 170

■ 192, 226, 170

■ 199, 243, 170

Harmonies

Analogous

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



21, 81, 168



90, 108, 170



132, 102, 157

Triad

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



90, 108, 170



164, 103, 77



49, 99, 128

Complementary

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



90, 108, 170



122, 170, 90

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.



71, 124, 106



90, 108, 170



131, 146, 60

Square

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



90, 108, 170



169, 91, 103



60, 120, 57



0, 65, 129

Rectangle

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



90, 108, 170



152, 96, 141



60, 120, 57



64, 110, 127

Sweetspot

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



90, 108, 170



191, 198, 222



90, 137, 170



93, 98, 112



240, 240, 240



112, 112, 112

Same Dimension

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



90, 108, 170



98, 126, 222



106, 90, 170



76, 78, 84



0, 33, 148



0, 5, 20

Inverse Universe

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



170, 90, 113



222, 98, 134



90, 170, 106



84, 76, 78



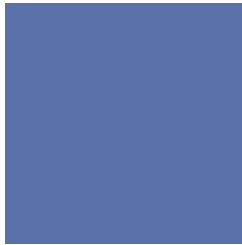
148, 0, 43



20, 0, 6

Previews

White Background



This preview shows how the RYB color 90, 108, 170 looks on a white background.

Color Contrast Check

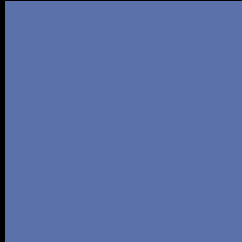
Large Text (above 18pt) WCAG AA ✓ Pass

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 90, 108, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

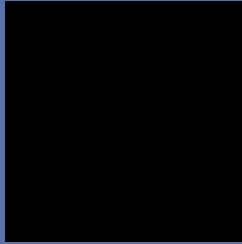
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

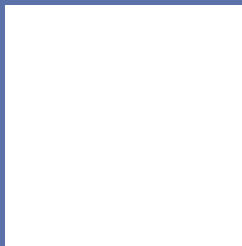
Any Text WCAG AAA × Fail

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

R Y B 90, 108, 170 Background



This preview shows how black text looks on a background with the RYB color 90, 108, 170.

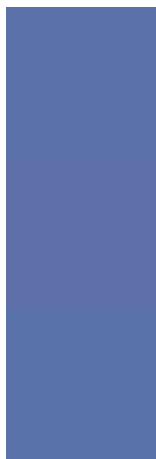


This preview shows how white text looks on a background with the RYB color 90, 108, 170.

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

90, 108, 170

Protanopia

95, 109, 169

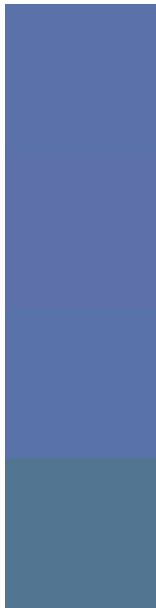
Deuteranopia

89, 108, 170



Tritanopia
78, 102, 131

Trichromacy



Original Color

90, 108, 170

Protanomaly

93, 108, 169

Deuteranomaly

89, 108, 170

Tritanomaly

82, 105, 145

Monochromacy



Original Color

90, 108, 170

Achromatopsia

113, 113, 113

Achromatomaly

105, 111, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 108, 170 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(90, 113, 170)` looks like.

```
.text, #text, p{  
    color:rgb(90, 113, 170)  
}
```

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(90, 113, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 113, 170) }
```

Border

The CSS property to change the border of an element to RYB 90, 108, 170 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(90, 113, 170) }
```

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

```
.border{ border-color:rgb(90, 113, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 113, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 113, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 113, 170);  
box-shadow:4px 4px 4px 4px rgb(90, 113,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 90, 108, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 113, 170) }
```

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

```
.background{ background-color: rgb(90, 113,  
170) }
```

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