Converting Colors

RYB(90, 84, 110)

Have a look what the booklet for RYB(90, 84, 110) contains.

Color

RYB(90, 84, 110)

Conversions

Conversions Part 1

Format	Color
Hex	5A546E
RGB	90, 84, 110
RGB Percent	35%, 33%, 43%
CMY	0.6471, 0.6706, 0.5686
CMYK	0.18, 0.24, 0.00, 0.57
HSL	254°, 13%, 38%
HSV	254°, 24%, 43%
XYZ	10.2012, 9.6401, 16.0749
YIQ	88.7580, -4.7700, 9.3580

Conversions

Conversions Part 2

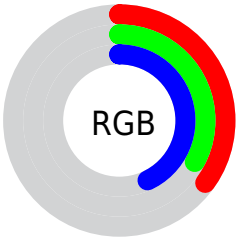
Format	Color
RYB	90, 84, 110
Decimal	5919854
CIELab	37.19, 8.35, -14.00
CIELCh	37, 16.303, 300.827
Yxy	9.6401, 0.2840, 0.2684
Android (android.graphics.Color)	4284109934 (0xFF5A546E)
YUV	88.7580, 10.4723, 1.0892
Hunter-Lab	31.0485, 4.3128, -8.9626

Details

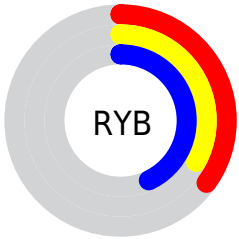
The RYB color 90, 84, 110 is a dark color, and the websafe version is hex 666699. A complement of this color would be 84, 110, 90, and the grayscale version is 89, 89, 89.

A 20% lighter version of the original color is 140, 134, 162, and 44, 39, 62 is the 20% darker color. If you saturate the color by 10%, you get 82, 73, 110, and if you desaturate by 10%, it is 98, 95, 110.

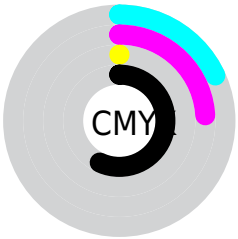
Distribution



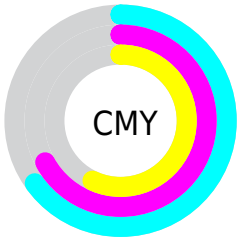
- Red (35%)
- Green (33%)
- Blue (43%)



- Red (35%)
- Yellow (33%)
- Blue (43%)



- Cyan (18%)
- Magenta (24%)
- Yellow (0%)
- Black (57%)



- Cyan (65%)
- Magenta (67%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 84, 110 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, 84, 110 by changing the saturation by 10% instead.

90, 84, 110	90, 84, 110
255, 255, 255	66, 61, 86
140, 134, 162	44, 39, 62
167, 160, 189	23, 19, 40
194, 187, 216	0, 1, 20
222, 214, 245	0, 0, 0
251, 243, 255	

90, 84, 110	90, 84, 110
82, 73, 110	98, 95, 110
73, 62, 110	107, 106, 110

65, 51, 110

56, 40, 110

48, 29, 110

39, 18, 110

31, 7, 110

25, 0, 110

110, 117, 112

110, 128, 114

110, 139, 117

110, 150, 119

110, 161, 122

110, 172, 124

110, 183, 127

Harmonies

Analogous

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

72, 84, 114

90, 84, 110

105, 80, 101

Triad

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

90, 84, 110

108, 93, 65

54, 77, 95

Complementary

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

90, 84, 110

84, 110, 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.

67, 88, 94

90, 84, 110

75, 97, 61

Square

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

90, 84, 110

114, 79, 75

65, 91, 73

48, 72, 100

Rectangle

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

90, 84, 110

111, 78, 92

65, 91, 73

58, 80, 95

Sweetspot

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

90, 84, 110

135, 133, 143

84, 95, 110

67, 66, 71

199, 199, 199

71, 71, 71

Same Dimension

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

90, 84, 110

112, 103, 143

103, 84, 110

52, 50, 56

28, 0, 120

57, 0, 247

Inverse Universe

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

110, 84, 104

143, 103, 134

84, 110, 103

56, 50, 55

120, 0, 92

247, 0, 190

Previews

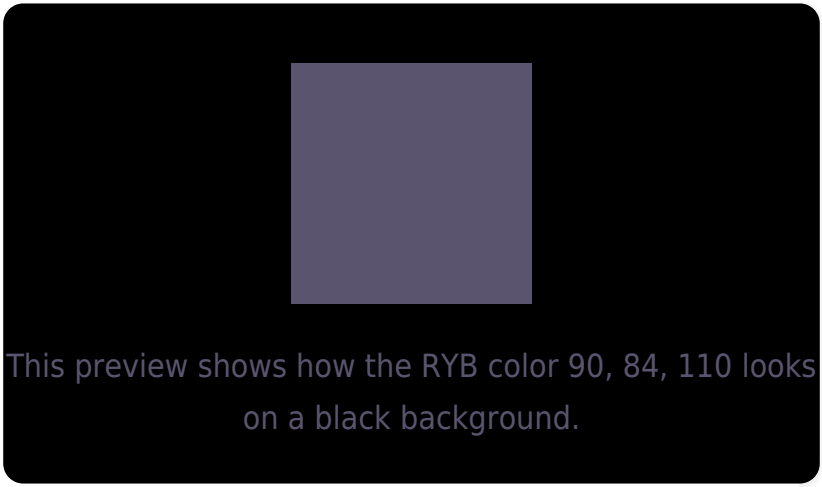
White Background

This preview shows how the RYB color 90, 84, 110 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 ✓ Pass

Black Background



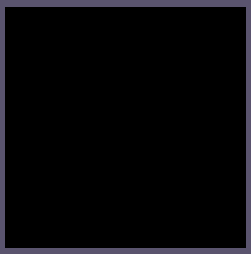
This preview shows how the RYB color 90, 84, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
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.

RYB 90, 84, 110 Background



This preview shows how black text looks on a background with the RYB color 90, 84, 110.

This preview shows how white text looks on a background with the RYB color 90, 84, 110.

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, 84, 110

Protanopia
81, 86, 112

Deuteranopia
85, 86, 110

Tritanopia
87, 87, 94

Trichromacy

Original Color
90, 84, 110

Protanomaly
84, 86, 111

Deuteranomaly
87, 85, 110

Tritanomaly
88, 86, 100

Monochromacy

Original Color
90, 84, 110

Achromatopsia
89, 89, 89

Achromatomaly
89, 87, 97

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 84, 110 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, 84, 110) looks like.

```
.text, #text, p{
    color:rgb(90, 84, 110)
}
```

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, 84, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 84, 110) }
```

Border

The CSS property to change the border of an element to RYB 90, 84, 110 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, 84, 110) }
```

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

```
.border{ border-color:rgb(90, 84, 110) }
```

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

Here you see how a box with a 4 pixel rgb(90, 84, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 84, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 84, 110); box-shadow:4px 4px 4px 4px rgb(90, 84, 110) }
```

Background

The CSS property to change the background color of an element to RYB 90, 84, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(90, 84, 110) }
```

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

```
.background{ background-color:rgb(90, 84,
110) }
```

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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