

Converting Colors

`RYB(81, 93, 150)`

Have a look what the booklet for
RYB(81, 93, 150) contains.

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Color

R_YB(81, 93, 150)

Conversions

Conversions Part 1

Format	Color
Hex	516096
RGB	81, 96, 150
RGB Percent	32%, 38%, 59%
CMY	0.6824, 0.6254, 0.4118
CMYK	0.46, 0.36, 0.00, 0.41
HSL	227°, 30%, 45%
HSV	227°, 46%, 59%
XYZ	13.0381, 12.2309, 30.5278
YIQ	97.6710, -26.2740, 13.6140

Conversions

Conversions Part 2

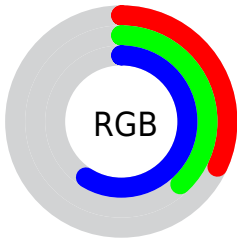
Format	Color
R_{YB}	81, 93, 150
Decimal	5333142
CIE _{Lab}	41.58, 9.67, -31.62
CIE _{LCh}	42, 33.070, 287.010
Yxy	12.2309, 0.2337, 0.2192
Android (android.graphics.Color)	4283523222 (0xFF516096)
YUV	97.6710, 25.7982, -14.6205
Hunter-Lab	34.9727, 5.3442, -27.2735

Details

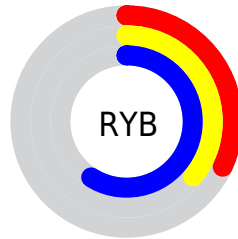
The RYB color **81, 93, 150** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **100, 150, 81**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **134, 144, 204**, and **28, 45, 99** is the 20% darker color. If you saturate the color by 10%, you get **66, 81, 150**, and if you desaturate by 10%, it is **96, 105, 150**.

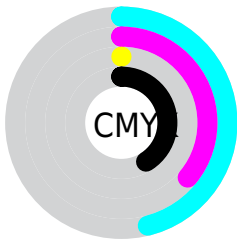
Distribution



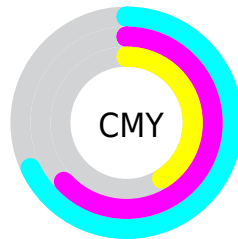
- Red (32%)
- Green (38%)
- Blue (59%)



- Red (32%)
- Yellow (36%)
- Blue (59%)



- Cyan (46%)
- Magenta (36%)
- Yellow (0%)
- Black (41%)



- Cyan (68%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 93, 150 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 81, 93, 150 by changing the saturation by 10% instead.



81, 93, 150



81, 93, 150

255, 255, 255



55, 69, 124



134, 144, 204



28, 45, 99



161, 171, 233



0, 21, 75



189, 198, 255



0, 2, 52



217, 226, 255



0, 2, 30



246, 251, 255



0, 0, 0



81, 93, 150



81, 93, 150



66, 81, 150



96, 105, 150



51, 68, 150



111, 118, 150

■ 36, 56, 150

■ 126, 130, 150

■ 21, 43, 150

■ 141, 143, 150

■ 6, 31, 150

■ 151, 156, 150

■ 0, 26, 150

■ 155, 171, 150

■ 160, 186, 150

■ 164, 201, 150

■ 168, 216, 150

Harmonies

Analogous

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



5, 64, 151



81, 93, 150



120, 85, 135

Triad

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



81, 93, 150



142, 93, 59



21, 74, 111

Complementary

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



81, 93, 150



100, 150, 81

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.



60, 108, 100



81, 93, 150



97, 124, 44

Square

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



81, 93, 150



150, 76, 84



44, 101, 46



0, 56, 113

Rectangle

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



81, 93, 150



137, 79, 120



44, 101, 46



42, 87, 110

Sweetspot

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



81, 93, 150



167, 171, 194



81, 120, 150



80, 83, 97



224, 224, 224



97, 97, 97

Same Dimension

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



81, 93, 150



87, 106, 194



101, 81, 150



67, 68, 74



0, 24, 138



0, 2, 10

Inverse Universe

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



150, 81, 96



194, 87, 110



81, 150, 101



74, 67, 68



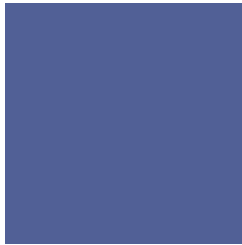
138, 0, 29



10, 0, 2

Previews

White Background



This preview shows how the RYB color 81, 93, 150 looks on a white background.

Color Contrast Check

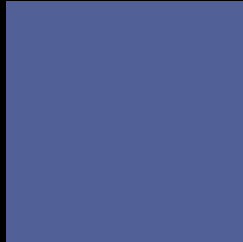
Large Text (above 18pt) WCAG AA ✓ Pass

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 81, 93, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

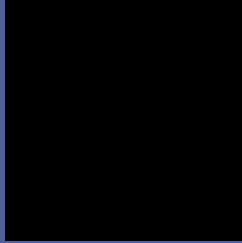
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

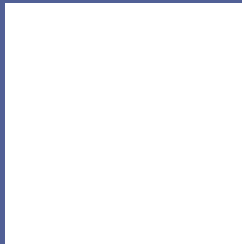
Any Text WCAG AAA × Fail

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

R Y B 81, 93, 150 Background



This preview shows how black text looks on a background with the RYB color 81, 93, 150.



This preview shows how white text looks on a background with the RYB color 81, 93, 150.

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

81, 93, 150

Protanopia

78, 92, 150

Deuteranopia

73, 92, 150



Tritanopia
70, 88, 112

Trichromacy



Original Color

81, 93, 150

Protanomaly

79, 93, 150

Deuteranomaly

76, 92, 150

Tritanomaly

74, 91, 126

Monochromacy



Original Color

81, 93, 150

Achromatopsia

97, 97, 97

Achromatomaly

91, 95, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 93, 150 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(81, 96, 150)` looks like.

```
.text, #text, p{  
    color:rgb(81, 96, 150)  
}
```

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(81, 96, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 96, 150) }
```

Border

The CSS property to change the border of an element to RYB 81, 93, 150 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(81, 96, 150) }
```

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

```
.border{ border-color:rgb(81, 96, 150) }
```

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

Here you see how a box with a 4 pixel rgb(81, 96, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 96, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 96, 150);  
box-shadow:4px 4px 4px 4px rgb(81, 96,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 81, 93, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 96, 150) }
```

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

```
.background{ background-color: rgb(81, 96,  
150) }
```

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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