

Converting Colors

RYB(78, 81, 136)

Have a look what the booklet for
RYB(78, 81, 136) contains.

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Color

R_YB(78, 81, 136)

Conversions

Conversions Part 1

Format	Color
Hex	4E5188
RGB	78, 81, 136
RGB Percent	31%, 32%, 53%
CMY	0.6941, 0.6817, 0.4667
CMYK	0.43, 0.40, 0.00, 0.47
HSL	237°, 27%, 42%
HSV	237°, 43%, 53%
XYZ	10.5404, 9.3065, 24.5333
YIQ	86.3730, -19.4430, 16.4690

Conversions

Conversions Part 2

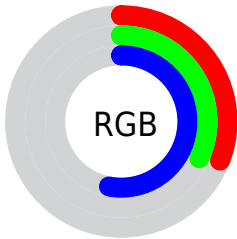
Format	Color
R_{YB}	78, 81, 136
Decimal	5132680
CIE Lab	36.57, 13.64, -31.07
CIE LCh	37, 33.928, 293.696
Yxy	9.3065, 0.2375, 0.2097
Android (android.graphics.Color)	4283322760 (0xFF4E5188)
YUV	86.3730, 24.4661, -7.3431
Hunter-Lab	30.5065, 8.2878, -26.3264

Details

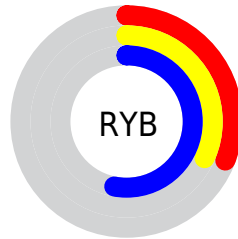
The RYB color **78, 81, 136** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **81, 136, 78**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **130, 130, 190**, and **27, 36, 86** is the 20% darker color. If you saturate the color by 10%, you get **64, 68, 136**, and if you desaturate by 10%, it is **92, 94, 136**.

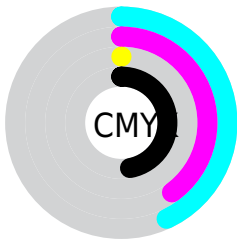
Distribution



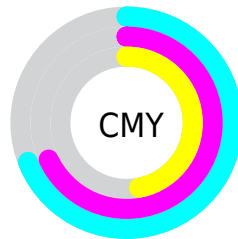
- Red (31%)
- Green (32%)
- Blue (53%)



- Red (31%)
- Yellow (32%)
- Blue (53%)



- Cyan (43%)
- Magenta (40%)
- Yellow (0%)
- Black (47%)



- Cyan (69%)
- Magenta (68%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 81, 136 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 78, 81, 136 by changing the saturation by 10% instead.



78, 81, 136



78, 81, 136

255, 255, 255



53, 58, 110



130, 130, 190



27, 36, 86



157, 156, 218



0, 13, 62



184, 183, 246



0, 3, 40



212, 211, 255



0, 1, 18



241, 239, 255



0, 0, 0



78, 81, 136



78, 81, 136



64, 68, 136



92, 94, 136



51, 55, 136



105, 107, 136

■ 37, 43, 136

■ 119, 120, 136

■ 24, 30, 136

■ 132, 133, 136

■ 10, 17, 136

■ 137, 146, 136

■ 0, 7, 136

■ 138, 160, 136

■ 138, 173, 136

■ 139, 187, 136

■ 139, 200, 136

Harmonies

Analogous

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



0, 55, 140



78, 81, 136



114, 70, 119

Triad

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



78, 81, 136



126, 88, 43



0, 55, 99

Complementary

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



78, 81, 136



81, 136, 78

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.



47, 92, 97



78, 81, 136



63, 106, 30

Square

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



78, 81, 136



136, 64, 66



33, 91, 44



0, 51, 107

Rectangle

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



78, 81, 136



128, 64, 102



33, 91, 44



2, 59, 99

Sweetspot

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



78, 81, 136



153, 154, 176



78, 108, 136



75, 76, 89



217, 217, 217



89, 89, 89

Same Dimension

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



78, 81, 136



86, 91, 176



103, 78, 136



62, 62, 69



0, 7, 133



0, 0, 5

Inverse Universe

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



136, 78, 81



176, 86, 91



78, 136, 103



69, 62, 62



133, 0, 7



5, 0, 0

Previews

White Background



This preview shows how the RYB color 78, 81, 136 looks on a white background.

Color Contrast Check

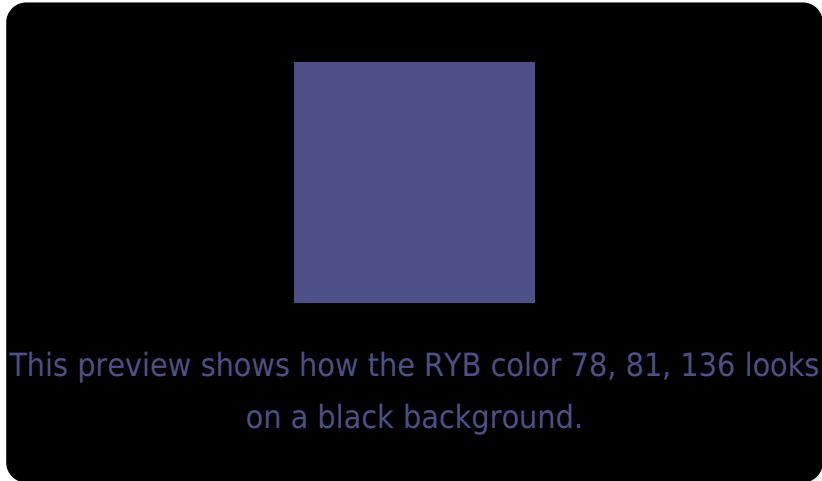
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

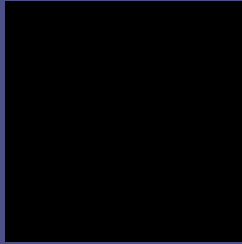
Any Text WCAG AA × Fail

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](#).

RYP 78, 81, 136 Background



This preview shows how black text looks on a background with the RYP color 78, 81, 136.

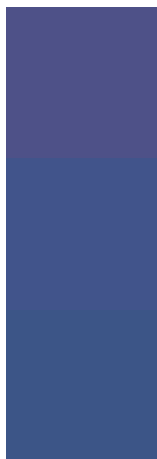


This preview shows how white text looks on a background with the RYP color 78, 81, 136.

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

78, 81, 136

Protanopia

65, 80, 139

Deuteranopia

60, 79, 135



Tritanopia

68, 81, 97

Trichromacy



Original Color

78, 81, 136

Protanomaly

70, 81, 138

Deuteranomaly

67, 81, 135

Tritanomaly

72, 83, 111

Monochromacy



Original Color

78, 81, 136

Achromatopsia

86, 86, 86

Achromatomaly

83, 84, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 81, 136 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(78, 81, 136) looks like.

```
.text, #text, p{  
    color:rgb(78, 81, 136)  
}
```

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(78, 81, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 81, 136) }
```

Border

The CSS property to change the border of an element to RYB 78, 81, 136 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(78, 81, 136) }
```

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

```
.border{ border-color:rgb(78, 81, 136) }
```

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

Here you see how a box with a 4 pixel rgb(78, 81, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 81, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 81, 136);  
box-shadow:4px 4px 4px 4px rgb(78, 81,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 78, 81, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 81, 136) }
```

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

```
.background{ background-color: rgb(78, 81,  
136) }
```

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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