

Converting Colors

R_YB(80, 78, 147)

Have a look what the booklet for
RYB(80, 78, 147) contains.

RYB(80, 78, 147)	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(80, 78, 147)

Conversions

Conversions Part 1

Format	Color
Hex	504E93
RGB	80, 78, 147
RGB Percent	31%, 31%, 58%
CMY	0.6863, 0.6941, 0.4235
CMYK	0.46, 0.47, 0.00, 0.42
HSL	242°, 31%, 44%
HSV	242°, 47%, 58%
XYZ	11.2991, 9.2608, 28.7958
YIQ	86.4640, -20.9570, 21.8830

Conversions

Conversions Part 2

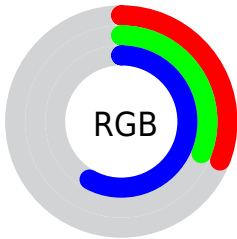
Format	Color
R_{YB}	80, 78, 147
Decimal	5262995
CIE _{Lab}	36.48, 19.64, -37.89
CIE _{LCh}	36, 42.677, 297.395
Yxy	9.2608, 0.2289, 0.1876
Android (android.graphics.Color)	4283453075 (0xFF504E93)
YUV	86.4640, 29.8442, -5.6689
Hunter-Lab	30.4316, 13.0209, -34.8007

Details

The RYB color **80, 78, 147** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **78, 147, 80**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **133, 127, 201**, and **26, 33, 96** is the 20% darker color. If you saturate the color by 10%, you get **66, 63, 147**, and if you desaturate by 10%, it is **94, 93, 147**.

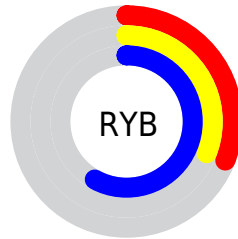
Distribution



Red (31%)

Green (31%)

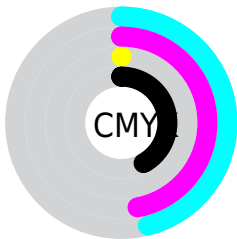
Blue (58%)



Red (31%)

Yellow (31%)

Blue (58%)

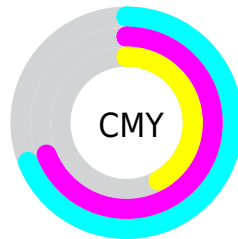


Cyan (46%)

Magenta (47%)

Yellow (0%)

Black (42%)



Cyan (69%)

Magenta (69%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 78, 147 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 80, 78, 147 by changing the saturation by 10% instead.



80, 78, 147



80, 78, 147

255, 255, 255



54, 55, 121



133, 127, 201



26, 33, 96



160, 153, 230



0, 12, 72



188, 180, 255



0, 0, 49



216, 207, 255



0, 1, 27



245, 235, 255



0, 0, 0



80, 78, 147



80, 78, 147



66, 63, 147



94, 93, 147



51, 49, 147



109, 107, 147

■ 37, 34, 147

■ 123, 122, 147

■ 23, 19, 147

■ 137, 137, 147

■ 9, 5, 147

■ 147, 152, 148

■ 4, 0, 147

■ 147, 166, 147

■ 147, 181, 148

■ 147, 196, 149

■ 147, 210, 149

Harmonies

Analogous

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



0, 57, 154



80, 78, 147



124, 63, 123

Triad

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



80, 78, 147



131, 100, 27



0, 57, 102

Complementary

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



80, 78, 147



78, 147, 80

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.



19, 78, 99



80, 78, 147



36, 106, 6

Square

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



80, 78, 147



146, 56, 56



17, 93, 38



0, 54, 116

Rectangle

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



80, 78, 147



140, 55, 102



17, 93, 38



0, 60, 101

Sweetspot

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



80, 78, 147



165, 164, 191



78, 112, 147



81, 80, 97



224, 224, 224



97, 97, 97

Same Dimension

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



80, 78, 147



87, 84, 191



114, 78, 147



67, 67, 74



4, 0, 138



0, 0, 10

Inverse Universe

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



147, 78, 145



191, 84, 188



78, 147, 114



74, 67, 74



138, 0, 134



10, 0, 10

Previews

White Background



This preview shows how the RYB color 80, 78, 147 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 80, 78, 147 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](#).

RYP 80, 78, 147 Background



This preview shows how black text looks on a background with the RYP color 80, 78, 147.

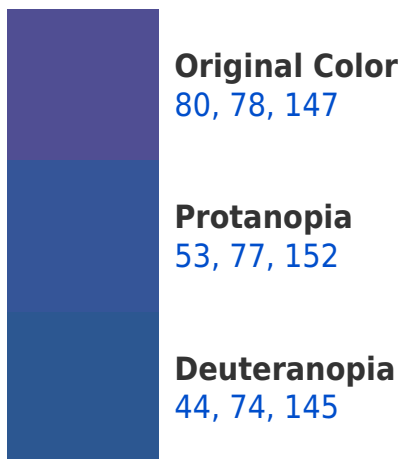



This preview shows how white text looks on a background with the RYP color 80, 78, 147.

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





Tritanopia
66, 80, 97

Trichromacy



Original Color

80, 78, 147

Protanomaly

63, 79, 150

Deuteranomaly

57, 78, 146

Tritanomaly

71, 82, 115

Monochromacy



Original Color

80, 78, 147

Achromatopsia

86, 86, 86

Achromatomaly

84, 83, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 78, 147 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(80, 78, 147)` looks like.

```
.text, #text, p{  
    color:rgb(80, 78, 147)  
}
```

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(80, 78, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 78, 147) }
```

Border

The CSS property to change the border of an element to RYB 80, 78, 147 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(80, 78, 147) }
```

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

```
.border{ border-color:rgb(80, 78, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 78, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 78, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 78, 147);  
box-shadow:4px 4px 4px 4px rgb(80, 78,  
147) }
```

Background

The CSS property to change the background color of an element to RGB 80, 78, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 78, 147) }
```

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

```
.background{ background-color: rgb(80, 78,  
147) }
```

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