

Converting Colors

`RYB(129, 78, 155)`

Have a look what the booklet for
RYB(129, 78, 155) contains.

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Color

R_YB(129, 78, 155)

Conversions

Conversions Part 1

Format	Color
Hex	814E9B
RGB	129, 78, 155
RGB Percent	51%, 31%, 61%
CMY	0.4941, 0.6941, 0.3922
CMYK	0.17, 0.50, 0.00, 0.39
HSL	280°, 33%, 46%
HSV	280°, 50%, 61%
XYZ	17.6940, 12.4825, 32.4871
YIQ	102.0270, 5.6790, 34.7590

Conversions

Conversions Part 2

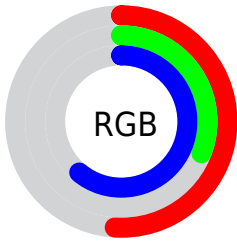
Format	Color
R_{YB}	129, 78, 155
Decimal	8474267
CIE _{Lab}	41.97, 35.61, -33.69
CIE _{LCh}	42, 49.023, 316.589
Yxy	12.4825, 0.2824, 0.1992
Android (android.graphics.Color)	4286664347 (0xFF814E9B)
YUV	102.0270, 26.1157, 23.6553
Hunter-Lab	35.3305, 27.5670, -29.7870

Details

The RYB color **129, 78, 155** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **78, 155, 129**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **183, 129, 210**, and **77, 30, 103** is the 20% darker color. If you saturate the color by 10%, you get **124, 63, 155**, and if you desaturate by 10%, it is **134, 94, 155**.

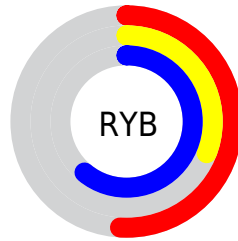
Distribution



Red (51%)

Green (31%)

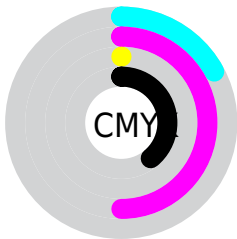
Blue (61%)



Red (51%)

Yellow (31%)

Blue (61%)

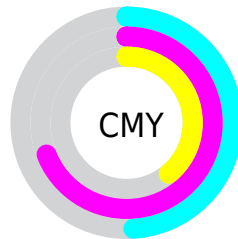


Cyan (17%)

Magenta (50%)

Yellow (0%)

Black (39%)



Cyan (49%)

Magenta (69%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 78, 155 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 129, 78, 155 by changing the saturation by 10% instead.

 129, 78, 155

255, 255, 255

 183, 129, 210

 212, 155, 238

 240, 182, 255

 255, 210, 255

 255, 239, 255

 129, 78, 155


 124, 63, 155

 129, 78, 155

 103, 54, 129

 77, 30, 103

 53, 4, 79

 31, 0, 56

 0, 1, 33

 0, 0, 6

 0, 0, 0

 129, 78, 155

 134, 94, 155

119, 47, 155

139, 109, 155

113, 32, 155

145, 124, 155

108, 16, 155

150, 140, 155

103, 1, 155

155, 155, 155

103, 0, 155

155, 171, 166

155, 187, 176

155, 202, 186

155, 218, 197

Harmonies

Analogous

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



60, 88, 177



129, 78, 155



162, 62, 119

Triad

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



129, 78, 155



75, 134, 9



0, 60, 121

Complementary

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



129, 78, 155



78, 155, 129

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.



0, 70, 117



129, 78, 155



5, 104, 11

Square

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



129, 78, 155



160, 87, 41



39, 112, 102



0, 67, 157

Rectangle

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



129, 78, 155



171, 58, 92



39, 112, 102



0, 62, 118

Sweetspot

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



129, 78, 155



191, 171, 201



78, 98, 155



96, 84, 102



230, 230, 230



102, 102, 102

Same Dimension

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



129, 78, 155



161, 81, 201



155, 78, 143



74, 69, 77



93, 0, 140



8, 0, 13

Inverse Universe

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



155, 78, 104



201, 81, 121



78, 145, 155



77, 69, 71



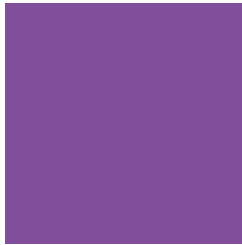
140, 0, 47



13, 0, 4

Previews

White Background



This preview shows how the RYB color 129, 78, 155 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 129, 78, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

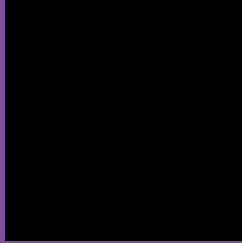
Any Text WCAG AA × Fail

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](#).

RYB 129, 78, 155 Background



This preview shows how black text looks on a background with the RYB color 129, 78, 155.

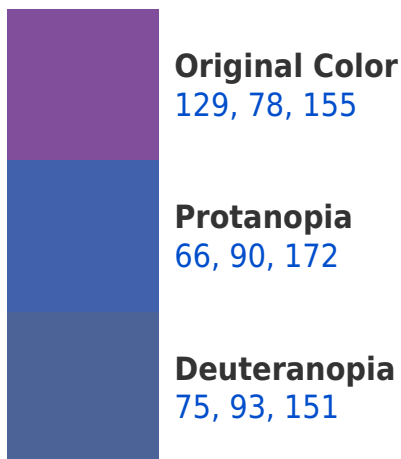


This preview shows how white text looks on a background with the RYB color 129, 78, 155.

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
120, 92, 99

Trichromacy



Original Color
129, 78, 155

Protanomaly
89, 90, 166

Deuteranomaly
95, 91, 152

Tritanomaly
123, 87, 119

Monochromacy



Original Color
129, 78, 155

Achromatopsia
102, 102, 102

Achromatomaly
112, 93, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 78, 155 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(129, 78, 155)` looks like.

```
.text, #text, p{  
    color:rgb(129, 78, 155)  
}
```

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(129, 78, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 78, 155) }
```

Border

The CSS property to change the border of an element to RYB 129, 78, 155 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(129, 78, 155) }
```

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

```
.border{ border-color:rgb(129, 78, 155) }
```

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

Here you see how a box with a 4 pixel rgb(129, 78, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 78, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 78, 155);  
box-shadow:4px 4px 4px 4px rgb(129, 78,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 129, 78, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 78, 155) }
```

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

```
.background{ background-color: rgb(129, 78,  
155) }
```

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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