

Converting Colors

`RYB(157, 128, 164)`

Have a look what the booklet for
RYB(157, 128, 164) contains.

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Color

R_YB(157, 128, 164)

Conversions

Conversions Part 1

Format	Color
Hex	9D80A4
RGB	157, 128, 164
RGB Percent	62%, 50%, 64%
CMY	0.3843, 0.4980, 0.3569
CMYK	0.04, 0.22, 0.00, 0.36
HSL	288°, 17%, 57%
HSV	288°, 22%, 64%
XYZ	28.3246, 25.2868, 38.5099
YIQ	140.7750, 5.7280, 17.3440

Conversions

Conversions Part 2

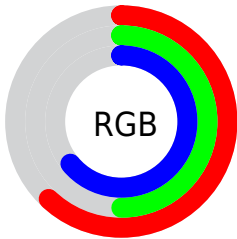
Format	Color
R _{YB}	157, 128, 164
Decimal	10322084
CIE _{Lab}	57.35, 17.79, -14.97
CIE _{LCh}	57, 23.251, 319.932
Yxy	25.2868, 0.3075, 0.2745
Android (android.graphics.Color)	4288512164 (0xFF9D80A4)
YUV	140.7750, 11.4499, 14.2293
Hunter-Lab	50.2860, 12.5435, -10.2052

Details

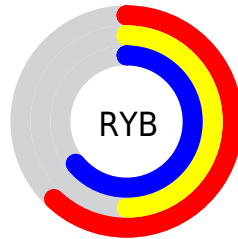
The RYB color **157, 128, 164** is a light color, and the websafe version is hex **996699**. A complement of this color would be **128, 164, 157**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **212, 181, 219**, and **105, 79, 112** is the 20% darker color. If you saturate the color by 10%, you get **154, 112, 164**, and if you desaturate by 10%, it is **160, 144, 164**.

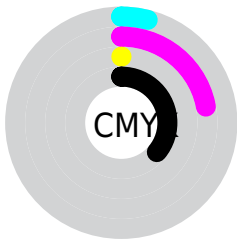
Distribution



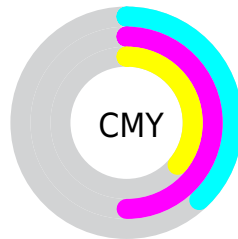
- Red (62%)
- Green (50%)
- Blue (64%)



- Red (62%)
- Yellow (50%)
- Blue (64%)



- Cyan (4%)
- Magenta (22%)
- Yellow (0%)
- Black (36%)



- Cyan (38%)
- Magenta (50%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the RYB color 157, 128, 164 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 157, 128, 164 by changing the saturation by 10% instead.

 157, 128, 164


255, 255, 255

 212, 181, 219


 240, 209, 248

 255, 237, 255

 157, 128, 164

 131, 103, 138

 105, 79, 112


 81, 55, 88


 57, 34, 64


 35, 13, 42

 5, 0, 22


 0, 0, 0

 157, 128, 164

 154, 112, 164


 157, 128, 164


 160, 144, 164

 151, 95, 164


 163, 161, 164

 147, 79, 164

 164, 177, 174

 144, 62, 164


 164, 194, 188

 141, 46, 164

 164, 210, 201

 138, 30, 164

 164, 226, 214

 135, 13, 164

 164, 243, 228

 132, 0, 164

 164, 255, 236

 164, 255, 233

Harmonies

Analogous

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



131, 135, 176



157, 128, 164



174, 123, 145

Triad

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



157, 128, 164



140, 159, 98



77, 113, 151

Complementary

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



157, 128, 164



128, 164, 157

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.



93, 127, 149



157, 128, 164



99, 141, 102

Square

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



157, 128, 164



173, 138, 107



111, 146, 142



80, 118, 168

Rectangle

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



157, 128, 164



178, 123, 132



111, 146, 142



81, 116, 149

Sweetspot

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



157, 128, 164



211, 199, 214



128, 134, 164



105, 99, 107



235, 235, 235



107, 107, 107

Same Dimension

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



157, 128, 164



203, 159, 214



164, 128, 153



80, 73, 82



117, 0, 145



14, 0, 18

Inverse Universe

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



164, 128, 135



214, 159, 169



128, 156, 164



82, 73, 75



145, 0, 28



18, 0, 3

Previews

White Background



This preview shows how the RYB color 157, 128, 164 looks on a white background.

Color Contrast Check

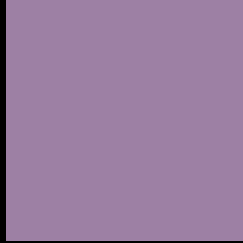
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 157, 128, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

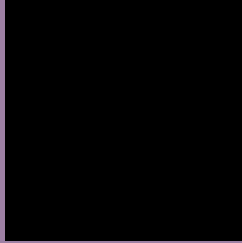
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 157, 128, 164 Background



This preview shows how black text looks on a background with the RYB color 157, 128, 164.



This preview shows how white text looks on a background with the RYB color 157, 128, 164.

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
157, 128, 164

Protanopia
130, 136, 170

Deuteranopia
139, 135, 163



Tritanopia
154, 132, 142

Trichromacy



Original Color
157, 128, 164

Protanomaly
140, 134, 168

Deuteranomaly
146, 132, 163

Tritanomaly
155, 131, 150

Monochromacy



Original Color
157, 128, 164

Achromatopsia
141, 141, 141

Achromatomaly
147, 136, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 128, 164 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(157, 128, 164) looks like.

```
.text, #text, p{  
    color:rgb(157, 128, 164)  
}
```

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(157, 128, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 128, 164) }
```

Border

The CSS property to change the border of an element to RYB 157, 128, 164 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(157, 128, 164) }
```

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

```
.border{ border-color:rgb(157, 128, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 128, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 128, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 128, 164);  
box-shadow:4px 4px 4px 4px rgb(157, 128,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 157, 128, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 128, 164) }
```

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

```
.background{ background-color: rgb(157,  
128, 164) }
```

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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