

Converting Colors

`RYB(180, 125, 154)`

Have a look what the booklet for
RYB(180, 125, 154) contains.

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Color

R_YB(180, 125, 154)

Conversions

Conversions Part 1

Format	Color
Hex	B47D9A
RGB	180, 125, 154
RGB Percent	71%, 49%, 60%
CMY	0.2941, 0.5098, 0.3961
CMYK	0.00, 0.31, 0.14, 0.29
HSL	328°, 27%, 60%
HSV	328°, 31%, 71%
XYZ	31.9887, 26.7036, 34.0402
YIQ	144.7510, 23.4710, 20.6790

Conversions

Conversions Part 2

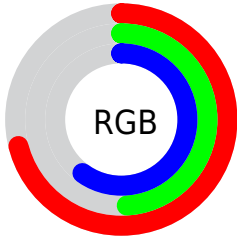
Format	Color
RYB	180, 125, 154
Decimal	11828634
CIELab	58.70, 25.82, -6.95
CIELCh	59, 26.735, 344.936
Yxy	26.7036, 0.3450, 0.2880
Android (android.graphics.Color)	4290018714 (0xFFB47D9A)
YUV	144.7510, 4.5598, 30.9134
Hunter-Lab	51.6755, 20.0647, -2.8831

Details

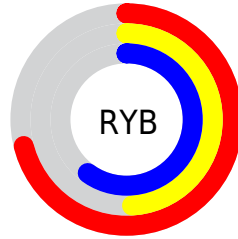
The RYB color **180, 125, 154** is a light color, and the websafe version is hex **996699**. A complement of this color would be **125, 162, 180**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **237, 178, 208**, and **126, 75, 103** is the 20% darker color. If you saturate the color by 10%, you get **180, 107, 145**, and if you desaturate by 10%, it is **180, 143, 163**.

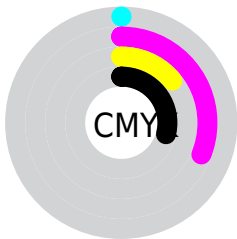
Distribution



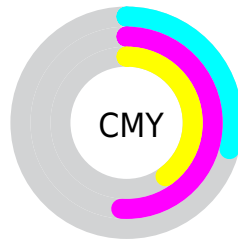
- Red (71%)
- Green (49%)
- Blue (60%)



- Red (71%)
- Yellow (49%)
- Blue (60%)



- Cyan (0%)
- Magenta (31%)
- Yellow (14%)
- Black (29%)



- Cyan (29%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 125, 154 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 180, 125, 154 by changing the saturation by 10% instead.


 180, 125, 154

255, 255, 255

 237, 178, 208


 255, 206, 237

 255, 234, 255

 180, 125, 154

 153, 100, 128

 126, 75, 103

 101, 52, 79

 76, 29, 56


 52, 6, 35

 32, 0, 12


 0, 0, 0


 180, 125, 154


 180, 107, 145


 180, 125, 154


 180, 143, 163


 180, 89, 137


 180, 161, 171

 180, 71, 128


 180, 179, 180

 180, 53, 120

 180, 192, 197

 180, 35, 111

 180, 204, 215

 180, 17, 103

 180, 216, 233

 180, 0, 95

 180, 228, 251

 180, 228, 255

 180, 225, 255

Harmonies

Analogous

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



159, 131, 175



180, 125, 154



188, 124, 130

Triad

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



180, 125, 154



99, 146, 96



67, 114, 174

Complementary

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



180, 125, 154



125, 162, 180

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.



69, 112, 154



180, 125, 154



107, 150, 138

Square

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



180, 125, 154



154, 168, 96



92, 130, 153



93, 127, 186

Rectangle

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



180, 125, 154



186, 128, 115



92, 130, 153



65, 112, 167

Sweetspot

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



180, 125, 154



235, 213, 225



151, 125, 180



117, 104, 111



245, 245, 245



117, 117, 117

Same Dimension

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



180, 125, 154



235, 148, 194



180, 125, 127



89, 80, 85



153, 0, 81



26, 0, 13

Inverse Universe

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



180, 125, 154



235, 148, 194



125, 153, 180



89, 80, 85



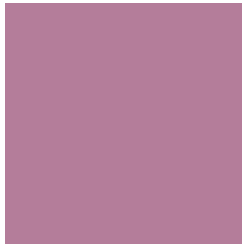
153, 0, 81



26, 0, 13

Previews

White Background



This preview shows how the RYB color 180, 125, 154 looks on a white background.

Color Contrast Check

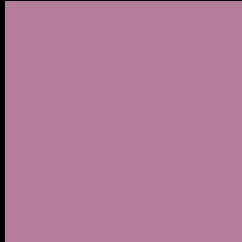
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 125, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

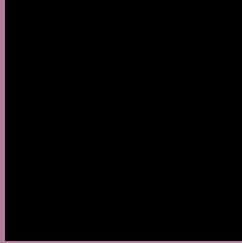
Any Text WCAG AA ✓ Pass

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 180, 125, 154 Background



This preview shows how black text looks on a background with the RYB color 180, 125, 154.



This preview shows how white text looks on a background with the RYB color 180, 125, 154.

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
180, 125, 154

Protanopia
137, 140, 164

Deuteranopia
151, 137, 152



Tritanopia
178, 128, 138

Trichromacy



Original Color
180, 125, 154

Protanomaly
153, 135, 160

Deuteranomaly
162, 133, 153

Tritanomaly
179, 127, 144

Monochromacy



Original Color
180, 125, 154

Achromatopsia
145, 145, 145

Achromatomaly
158, 138, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 125, 154 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(180, 125, 154) looks like.

```
.text, #text, p{  
    color:rgb(180, 125, 154)  
}
```

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(180, 125, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 154) }
```

Border

The CSS property to change the border of an element to RYB 180, 125, 154 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(180, 125, 154) }
```

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

```
.border{ border-color:rgb(180, 125, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 125, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 125, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 125, 154);  
box-shadow:4px 4px 4px 4px rgb(180, 125,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 180, 125, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 154) }
```

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

```
.background{ background-color: rgb(180,  
125, 154) }
```

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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