

Converting Colors

`RYB(145, 120, 180)`

Have a look what the booklet for
RYB(145, 120, 180) contains.

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Color

R_YB(145, 120, 180)

Conversions

Conversions Part 1

Format	Color
Hex	9178B4
RGB	145, 120, 180
RGB Percent	57%, 47%, 71%
CMY	0.4314, 0.5294, 0.2941
CMYK	0.19, 0.33, 0.00, 0.29
HSL	265°, 29%, 59%
HSV	265°, 33%, 71%
XYZ	26.6317, 22.7480, 46.1672
YIQ	134.3150, -4.3600, 23.9600

Conversions

Conversions Part 2

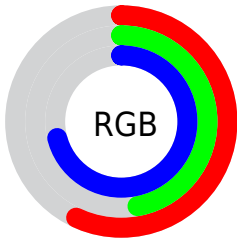
Format	Color
R_{YB}	145, 120, 180
Decimal	9533620
CIE _{Lab}	54.81, 21.96, -28.16
CIE _{LCh}	55, 35.712, 307.945
Yxy	22.7480, 0.2787, 0.2381
Android (android.graphics.Color)	4287723700 (0xFF9178B4)
YUV	134.3150, 22.5227, 9.3707
Hunter-Lab	47.6948, 16.2045, -24.0046

Details

The RYB color **145, 120, 180** is a light color, and the websafe version is hex **996699**. A complement of this color would be **120, 180, 145**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **200, 172, 236**, and **93, 71, 127** is the 20% darker color. If you saturate the color by 10%, you get **134, 102, 180**, and if you desaturate by 10%, it is **155, 138, 180**.

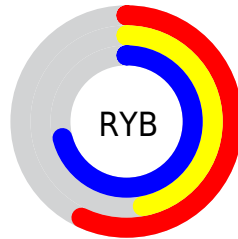
Distribution



Red (57%)

Green (47%)

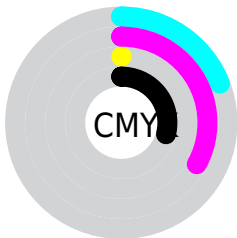
Blue (71%)



Red (57%)

Yellow (47%)

Blue (71%)

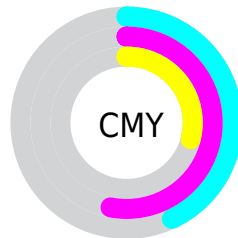


Cyan (19%)

Magenta (33%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (53%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the RYB color 145, 120, 180 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 145, 120, 180 by changing the saturation by 10% instead.

 145, 120, 180

255, 255, 255

 200, 172, 236

 228, 200, 255

 255, 228, 255

 145, 120, 180

 119, 95, 153

 93, 71, 127

 69, 48, 102

 45, 27, 77


 23, 4, 54

 0, 2, 32

 0, 0, 5

 0, 0, 0

 145, 120, 180

 145, 120, 180

134, 102, 180

155, 138, 180

124, 84, 180

166, 156, 180

113, 66, 180

177, 174, 180

103, 48, 180

180, 192, 185

92, 30, 180

180, 210, 192

82, 12, 180

180, 228, 200

75, 0, 180

180, 246, 207

180, 255, 206

180, 255, 195

Harmonies

Analogous

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



97, 123, 192



145, 120, 180



176, 110, 155

Triad

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



145, 120, 180



170, 166, 74



0, 76, 147

Complementary

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



145, 120, 180



120, 180, 145

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, 121, 146



145, 120, 180



82, 143, 69

Square

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



145, 120, 180



187, 114, 95



81, 140, 112



0, 78, 168

Rectangle

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



145, 120, 180



187, 106, 135



81, 140, 112



30, 94, 147

Sweetspot

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



145, 120, 180



221, 211, 235



120, 142, 180



109, 103, 117



245, 245, 245



117, 117, 117

Same Dimension

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



145, 120, 180



180, 141, 235



174, 120, 180



84, 80, 89



64, 0, 153



11, 0, 26

Inverse Universe

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



180, 120, 155



235, 141, 196



120, 180, 174



89, 80, 86



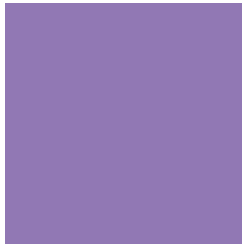
153, 0, 89



26, 0, 15

Previews

White Background



This preview shows how the RYB color 145, 120, 180 looks on a white background.

Color Contrast Check

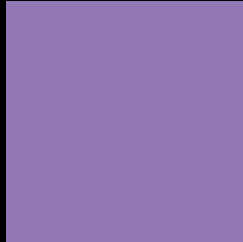
Large Text (above 18pt) WCAG AA ✓ Pass

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 145, 120, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

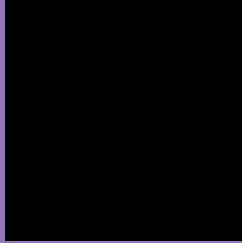
Any Text WCAG AA ✓ Pass

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 145, 120, 180 Background



This preview shows how black text looks on a background with the RYB color 145, 120, 180.

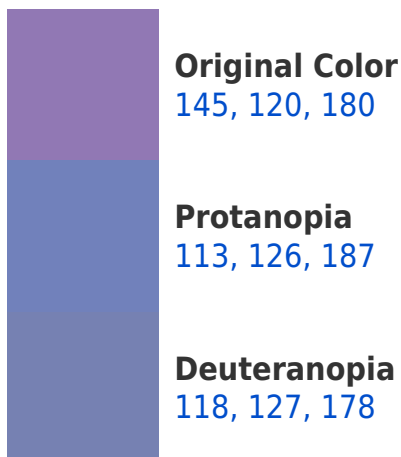


This preview shows how white text looks on a background with the RYB color 145, 120, 180.

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
138, 128, 138

Trichromacy



Original Color

145, 120, 180

Protanomaly

125, 126, 184

Deuteranomaly

128, 126, 179

Tritanomaly

141, 125, 153

Monochromacy



Original Color

145, 120, 180

Achromatopsia

134, 134, 134

Achromatomaly

138, 129, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 120, 180 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(145, 120, 180)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 180)  
}
```

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(145, 120, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 180) }
```

Border

The CSS property to change the border of an element to RYB 145, 120, 180 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(145, 120, 180) }
```

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

```
.border{ border-color:rgb(145, 120, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 120, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 180);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 145, 120, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 180) }
```

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

```
.background{ background-color: rgb(145,  
120, 180) }
```

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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