

# Converting Colors

`RYB(120, 86, 144)`

Have a look what the booklet for  
RYB(120, 86, 144) contains.

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# Color

**`RYB(120, 86, 144)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	785690
RGB	120, 86, 144
RGB Percent	47%, 34%, 56%
CMY	0.5294, 0.6627, 0.4353
CMYK	0.17, 0.40, 0.00, 0.44
HSL	275°, 25%, 45%
HSV	275°, 40%, 56%
XYZ	16.1076, 12.6623, 27.9807
YIQ	102.7780, 1.6460, 25.2460

# Conversions

## Conversions Part 2

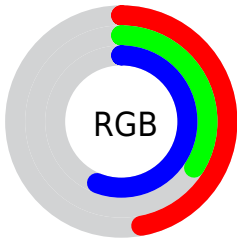
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 86, 144
Decimal	7886480
CIE <sub>Lab</sub>	42.25, 25.62, -26.72
CIE <sub>LCh</sub>	42, 37.018, 313.790
Yxy	12.6623, 0.2838, 0.2231
Android (android.graphics.Color)	4286076560 (0xFF785690)
YUV	102.7780, 20.3224, 15.1037
Hunter-Lab	35.5841, 18.5280, -21.7124

# Details

The RYB color **120, 86, 144** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **86, 144, 120**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **173, 136, 198**, and **70, 40, 93** is the 20% darker color. If you saturate the color by 10%, you get **114, 72, 144**, and if you desaturate by 10%, it is **126, 100, 144**.

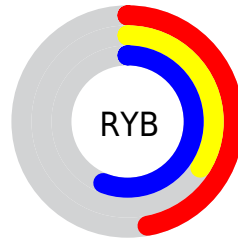
# Distribution



Red (47%)

Green (34%)

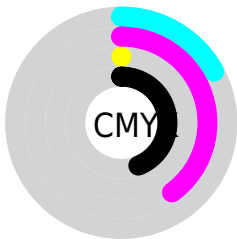
Blue (56%)



Red (47%)

Yellow (34%)

Blue (56%)

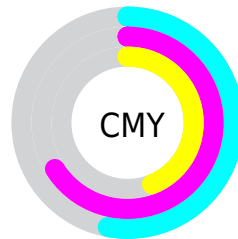


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (44%)



Cyan (53%)

Magenta (66%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 120, 86, 144 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 120, 86, 144 by changing the saturation by 10% instead.





120, 86, 144



120, 86, 144

255, 255, 255



95, 62, 118



173, 136, 198



70, 40, 93



201, 163, 226



46, 18, 69



229, 190, 255



27, 0, 47



255, 218, 255



0, 1, 25



255, 247, 255



0, 0, 0



120, 86, 144



120, 86, 144



114, 72, 144



126, 100, 144



108, 57, 144



132, 115, 144

102, 43, 144

138, 129, 144

96, 28, 144

144, 144, 144

90, 14, 144

144, 158, 152

84, 0, 144

144, 172, 160

144, 187, 169

144, 201, 177

144, 216, 186

# Harmonies

## Analogous

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



73, 92, 159



120, 86, 144



147, 76, 118

# Triad

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



120, 86, 144



108, 131, 40



0, 58, 115

# Complementary

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



120, 86, 144



86, 144, 120

# 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.



8, 70, 114



120, 86, 144



38, 104, 37

# Square

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



120, 86, 144



150, 88, 59



54, 110, 94



0, 63, 141

# Rectangle

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



120, 86, 144



156, 73, 97



54, 110, 94



0, 61, 115



# Sweetspot

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



120, 86, 144



177, 164, 186



86, 103, 144



89, 81, 94



222, 222, 222



94, 94, 94



# Same Dimension

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



120, 86, 144



149, 97, 186



144, 86, 139



68, 64, 71



79, 0, 135



4, 0, 8



# Inverse Universe

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



144, 86, 110



186, 97, 134



86, 139, 144



71, 64, 67



135, 0, 56

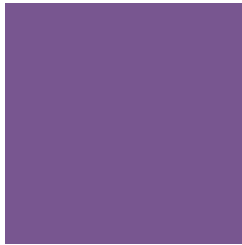


8, 0, 3



# Previews

## White Background



This preview shows how the RYB color 120, 86, 144 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 120, 86, 144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

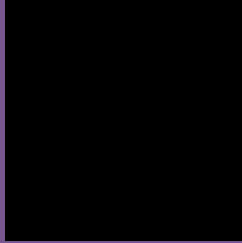
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYP 120, 86, 144 Background



This preview shows how black text looks on a background with the RYB color 120, 86, 144.

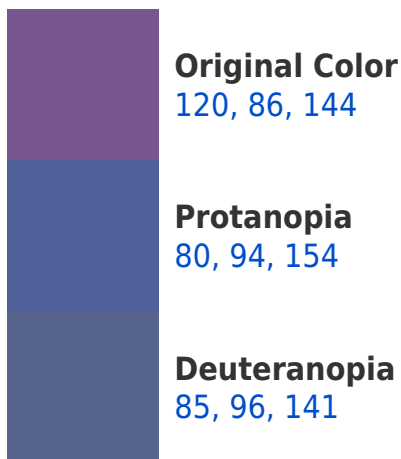


This preview shows how white text looks on a background with the RYB color 120, 86, 144.

# 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**  
113, 95, 102

# Trichromacy



**Original Color**

120, 86, 144

**Protanomaly**

95, 94, 150

**Deuteranomaly**

98, 94, 142

**Tritanomaly**

116, 92, 117

# Monochromacy



**Original Color**

120, 86, 144

**Achromatopsia**

103, 103, 103

**Achromatomaly**

109, 97, 118

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 120, 86, 144 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(120, 86, 144)` looks like.

```
.text, #text, p{  
    color:rgb(120, 86, 144)  
}
```

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(120, 86, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 86, 144) }
```

## Border

The CSS property to change the border of an element to RYB 120, 86, 144 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(120, 86, 144) }
```

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

```
.border{ border-color:rgb(120, 86, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 86, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 86, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 86, 144);  
box-shadow:4px 4px 4px 4px rgb(120, 86,  
144) }
```

# Background

The CSS property to change the background color of an element to RGB 120, 86, 144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 86, 144) }
```

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

```
.background{ background-color: rgb(120, 86,  
144) }
```

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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