

Converting Colors

`RYB(128, 86, 117)`

Have a look what the booklet for
RYB(128, 86, 117) contains.

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Color

R_YB(128, 86, 117)

Conversions

Conversions Part 1

Format	Color
Hex	805675
RGB	128, 86, 117
RGB Percent	50%, 34%, 46%
CMY	0.4980, 0.6627, 0.5412
CMYK	0.00, 0.33, 0.09, 0.50
HSL	316°, 20%, 42%
HSV	316°, 33%, 50%
XYZ	15.4408, 12.5291, 18.4342
YIQ	102.0920, 15.0810, 18.5450

Conversions

Conversions Part 2

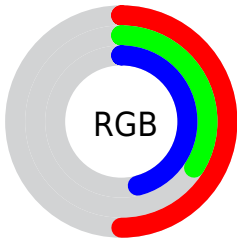
Format	Color
R_{YB}	128, 86, 117
Decimal	8410741
CIE _{Lab}	42.05, 22.63, -10.56
CIE _{LCh}	42, 24.973, 334.975
Yxy	12.5291, 0.3327, 0.2700
Android (android.graphics.Color)	4286600821 (0xFF805675)
YUV	102.0920, 7.3496, 22.7213
Hunter-Lab	35.3965, 15.9219, -6.1001

Details

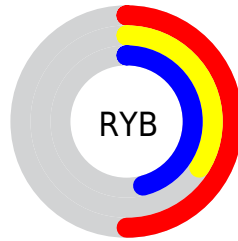
The RYB color **128, 86, 117** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **86, 119, 128**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **181, 136, 169**, and **78, 40, 69** is the 20% darker color. If you saturate the color by 10%, you get **128, 73, 114**, and if you desaturate by 10%, it is **128, 99, 120**.

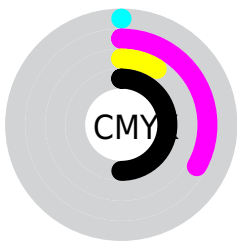
Distribution



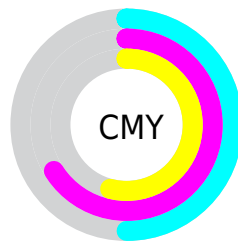
- Red (50%)
- Green (34%)
- Blue (46%)



- Red (50%)
- Yellow (34%)
- Blue (46%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (50%)



- Cyan (50%)
- Magenta (66%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 86, 117 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 128, 86, 117 by changing the saturation by 10% instead.



128, 86, 117



128, 86, 117

255, 255, 255



102, 62, 92



181, 136, 169



78, 40, 69



209, 163, 196



54, 18, 46



238, 190, 224



35, 0, 26



255, 218, 253



0, 0, 0



255, 247, 255



128, 86, 117



128, 86, 117



128, 73, 114



128, 99, 120



128, 60, 110



128, 112, 124

128, 48, 107

128, 124, 127

128, 35, 104

128, 135, 137

128, 22, 100

128, 145, 150

128, 9, 97

128, 156, 163

128, 0, 94

128, 166, 176

128, 175, 188

128, 186, 201

Harmonies

Analogous

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



106, 93, 133



128, 86, 117



139, 83, 97

Triad

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



128, 86, 117



72, 110, 58



14, 65, 122

Complementary

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



128, 86, 117



86, 119, 128

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.



35, 75, 110



128, 86, 117



65, 105, 82

Square

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



128, 86, 117



127, 118, 62



63, 96, 109



40, 79, 136

Rectangle

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



128, 86, 117



139, 84, 83



63, 96, 109



18, 65, 116

Sweetspot

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



128, 86, 117



166, 149, 161



97, 86, 128



84, 74, 82



212, 212, 212



84, 84, 84

Same Dimension

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



128, 86, 117



166, 101, 149



128, 86, 97



64, 57, 62



128, 0, 94



0, 0, 0

Inverse Universe

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



128, 86, 117



166, 101, 149



86, 110, 128



64, 57, 62



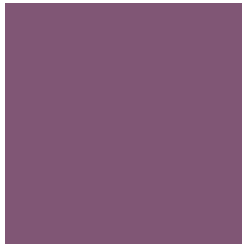
128, 0, 94



0, 0, 0

Previews

White Background



This preview shows how the RYB color 128, 86, 117 looks on a white background.

Color Contrast Check

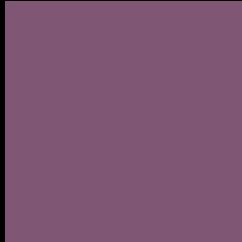
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 86, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

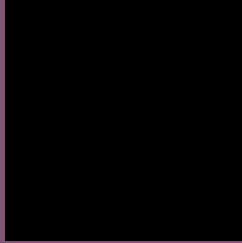
Any Text WCAG AA × Fail

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](#).

R Y B 128, 86, 117 Background



This preview shows how black text looks on a background with the RYB color 128, 86, 117.



This preview shows how white text looks on a background with the RYB color 128, 86, 117.

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


128, 86, 117

Protanopia

93, 98, 126

Deuteranopia

102, 97, 115



Tritanopia
125, 90, 97

Trichromacy



Original Color

128, 86, 117

Protanomaly

106, 94, 123

Deuteranomaly

111, 93, 116

Tritanomaly

126, 89, 104

Monochromacy



Original Color

128, 86, 117

Achromatopsia

102, 102, 102

Achromatomaly

111, 96, 107

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 86, 117 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(128, 86, 117)` looks like.

```
.text, #text, p{  
    color:rgb(128, 86, 117)  
}
```

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(128, 86, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 86, 117) }
```

Border

The CSS property to change the border of an element to RYB 128, 86, 117 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(128, 86, 117) }
```

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

```
.border{ border-color:rgb(128, 86, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 86, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 86, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 86, 117);  
box-shadow:4px 4px 4px 4px rgb(128, 86,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 128, 86, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 86, 117) }
```

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

```
.background{ background-color: rgb(128, 86,  
117) }
```

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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