

Converting Colors

`RYB(228, 90, 127)`

Have a look what the booklet for
RYB(228, 90, 127) contains.

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Color

R_YB(228, 90, 127)

Conversions

Conversions Part 1

Format	Color
Hex	E45A7F
RGB	228, 90, 127
RGB Percent	89%, 35%, 50%
CMY	0.1059, 0.6471, 0.5020
CMYK	0.00, 0.61, 0.44, 0.11
HSL	344°, 72%, 62%
HSV	344°, 61%, 89%
XYZ	39.4818, 25.3386, 22.8886
YIQ	135.4800, 70.3710, 40.7630

Conversions

Conversions Part 2

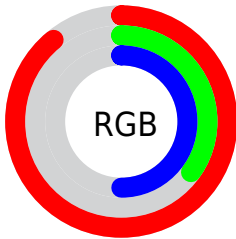
Format	Color
R_{YB}	228, 90, 127
Decimal	14965375
CIE _{Lab}	57.40, 56.67, 7.64
CIE _{LCh}	57, 57.186, 7.677
Yxy	25.3386, 0.4501, 0.2889
Android (android.graphics.Color)	4293155455 (0xFFE45A7F)
YUV	135.4800, -4.1806, 81.1400
Hunter-Lab	50.3375, 51.9146, 8.2769

Details

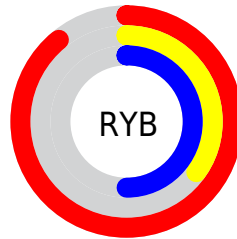
The RYB color **228, 90, 127** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **90, 170, 228**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 146, 180**, and **168, 29, 78** is the 20% darker color. If you saturate the color by 10%, you get **228, 67, 110**, and if you desaturate by 10%, it is **228, 113, 144**.

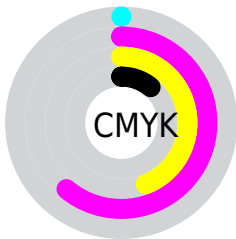
Distribution



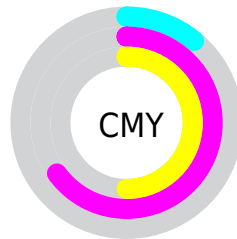
- Red (89%)
- Green (35%)
- Blue (50%)



- Red (89%)
- Yellow (35%)
- Blue (50%)



- Cyan (0%)
- Magenta (61%)
- Yellow (44%)
- Black (11%)


















- Cyan (11%)
- Magenta (65%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 90, 127 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 228, 90, 127 by changing the saturation by 10% instead.

 228, 90, 127	 228, 90, 127
 255, 255, 255	 198, 62, 102
 255, 146, 180	 168, 29, 78
 255, 174, 207	 138, 0, 56
 255, 203, 235	 109, 0, 35
 255, 232, 255	 81, 0, 12
	 54, 0, 2
	 6, 0, 0
	 0, 0, 0

 228, 90, 127	 228, 90, 127
--	--

■ 228, 67, 110

■ 228, 113, 144

■ 228, 44, 94

■ 228, 136, 160

■ 228, 22, 77

■ 228, 158, 177

■ 228, 0, 61

■ 228, 181, 194

■ 228, 204, 210

■ 228, 227, 227

■ 228, 241, 250

■ 228, 242, 255

Harmonies

Analogous

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



208, 98, 177



228, 90, 127



221, 105, 79

Triad

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



228, 90, 127



53, 152, 107



0, 92, 230

Complementary

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



228, 90, 127



90, 170, 228

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.



0, 88, 198



228, 90, 127



0, 98, 159

Square

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



228, 90, 127



38, 152, 25



0, 84, 162



50, 110, 237

Rectangle

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



228, 90, 127



205, 159, 52



0, 84, 162



0, 92, 222

Sweetspot

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



228, 90, 127



255, 209, 221



189, 90, 228



128, 99, 107



0, 0, 0



128, 128, 128

Same Dimension

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



228, 90, 127



255, 69, 119



228, 128, 90



115, 103, 106



179, 0, 48



51, 0, 14

Inverse Universe

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



228, 90, 127



255, 69, 119



90, 151, 228



115, 103, 106



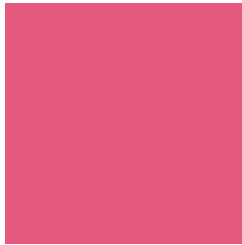
179, 0, 48



51, 0, 14

Previews

White Background



This preview shows how the RYB color 228, 90, 127 looks on a white background.

Color Contrast Check

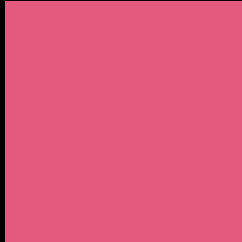
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 90, 127 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 228, 90, 127 Background



This preview shows how black text looks on a background with the RYB color 228, 90, 127.

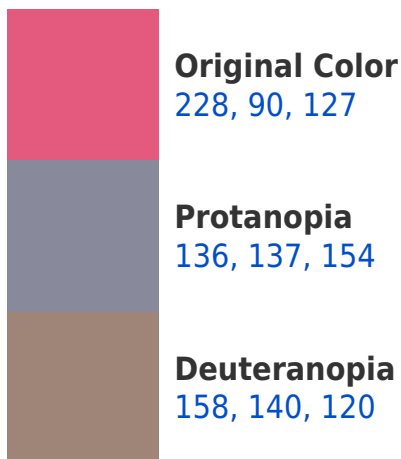


This preview shows how white text looks on a background with the RYB color 228, 90, 127.

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](#).

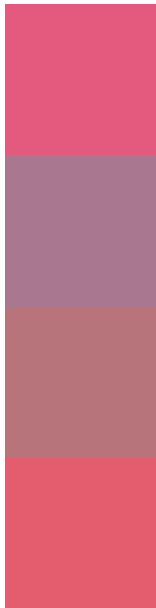
Dichromacy





Tritanopia
226, 95, 101

Trichromacy



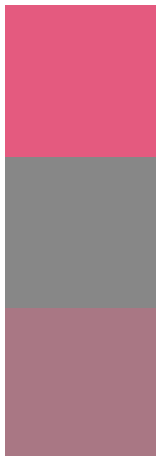
Original Color
228, 90, 127

Protanomaly
169, 120, 144

Deuteranomaly
183, 117, 123

Tritanomaly
227, 93, 110

Monochromacy



Original Color
228, 90, 127

Achromatopsia
135, 135, 135

Achromatomaly
169, 119, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 90, 127 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(228, 90, 127)` looks like.

```
.text, #text, p{  
    color:rgb(228, 90, 127)  
}
```

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(228, 90, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 90, 127) }
```

Border

The CSS property to change the border of an element to RYB 228, 90, 127 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(228, 90, 127) }
```

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

```
.border{ border-color:rgb(228, 90, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 90, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 90, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 90, 127);  
box-shadow:4px 4px 4px 4px rgb(228, 90,  
127) }
```

Background

The CSS property to change the background color of an element to RGB 228, 90, 127 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 90, 127) }
```

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

```
.background{ background-color: rgb(228, 90,  
127) }
```

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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