

Converting Colors

`RYB(146, 12, 142)`

Have a look what the booklet for
RYB(146, 12, 142) contains.

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Color

$\text{RYB}(146, 12, 142)$

Conversions

Conversions Part 1

Format	Color
Hex	920C8E
RGB	146, 12, 142
RGB Percent	57%, 5%, 56%
CMY	0.4275, 0.9529, 0.4431
CMYK	0.00, 0.92, 0.03, 0.43
HSL	302°, 85%, 31%
HSV	302°, 92%, 57%
XYZ	16.8680, 8.3269, 26.3094
YIQ	66.8860, 38.1340, 68.8380

Conversions

Conversions Part 2

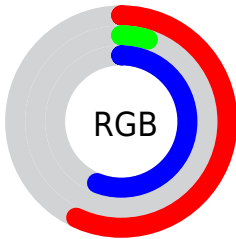
Format	Color
R_{YB}	146, 12, 142
Decimal	9571470
CIE Lab	34.65, 62.64, -37.23
CIE LCh	35, 72.873, 329.273
Yxy	8.3269, 0.3275, 0.1617
Android (android.graphics.Color)	4287761550 (0xFF920C8E)
YUV	66.8860, 37.0312, 69.3830
Hunter-Lab	28.8564, 53.8434, -33.8573

Details

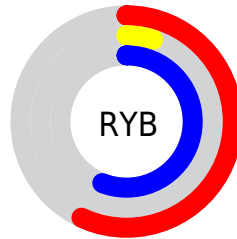
The RYB color **146, 12, 142** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12, 142, 146**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **203, 81, 196**, and **91, 0, 91** is the 20% darker color. If you saturate the color by 10%, you get **146, 0, 142**, and if you desaturate by 10%, it is **146, 27, 142**.

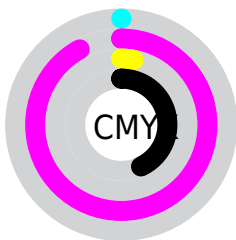
Distribution



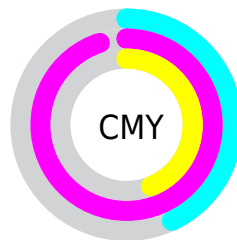
- Red (57%)
- Green (5%)
- Blue (56%)



- Red (57%)
- Yellow (5%)
- Blue (56%)



- Cyan (0%)
- Magenta (92%)
- Yellow (3%)
- Black (43%)





- Cyan (43%)
- Magenta (95%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the RYB color 146, 12, 142 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 146, 12, 142 by changing the saturation by 10% instead.


 146, 12, 142

 146, 12, 142

255, 255, 255

 118, 0, 116

 203, 81, 196

 91, 0, 91

 233, 109, 224

 64, 0, 67

 255, 137, 253

 39, 0, 44

 255, 165, 255

 0, 1, 22

 255, 194, 255

 0, 0, 0

 255, 223, 255

 255, 252, 255

 146, 12, 142

 146, 12, 142

■ 146, 0, 142

■ 146, 27, 142

■ 146, 41, 143

■ 146, 56, 143

■ 146, 70, 144

■ 146, 85, 144

■ 146, 100, 145

■ 146, 114, 145

■ 146, 129, 145

■ 146, 143, 146

Harmonies

Analogous

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



58, 66, 185



146, 12, 142



176, 0, 86

Triad

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



146, 12, 142



30, 102, 0



0, 59, 137

Complementary

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



146, 12, 142



12, 142, 146

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, 59, 104



146, 12, 142



0, 94, 53

Square

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



146, 12, 142



145, 79, 0



0, 93, 101



0, 65, 183

Rectangle

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



146, 12, 142



177, 0, 48



0, 93, 101



0, 55, 119

Sweetspot

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



146, 12, 142



189, 136, 187



14, 12, 146



94, 62, 93



222, 222, 222



94, 94, 94

Same Dimension

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



146, 12, 142



189, 0, 183



146, 12, 77



74, 67, 74



138, 0, 134



10, 0, 10

Inverse Universe

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



146, 12, 142



189, 0, 183



12, 100, 146



74, 67, 74



138, 0, 134



10, 0, 10

Previews

White Background



This preview shows how the RYB color 146, 12, 142 looks on a white background.

Color Contrast Check

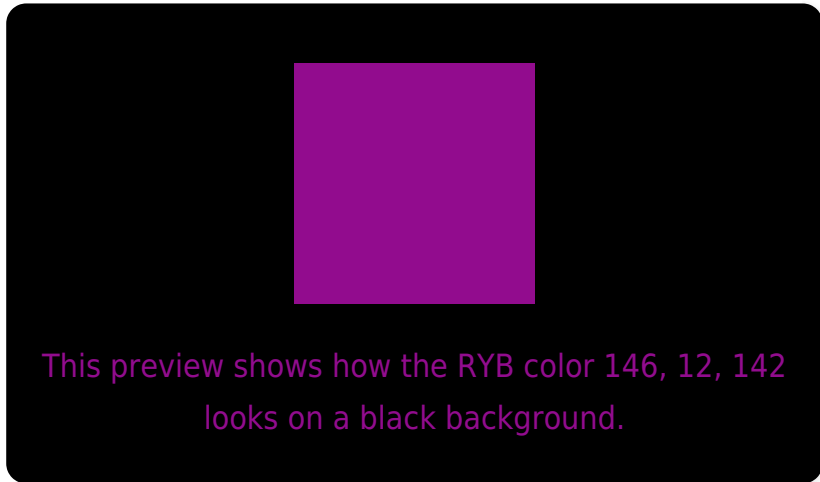
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

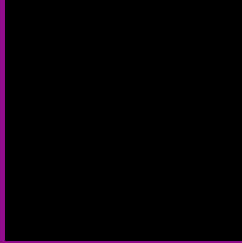
Any Text WCAG AA × Fail

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_YB 146, 12, 142 Background



This preview shows how black text looks on a background with the R_YB color 146, 12, 142.

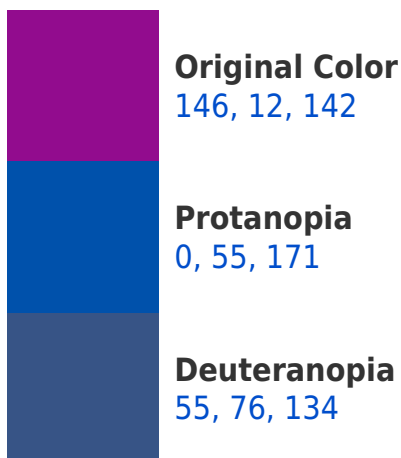


This preview shows how white text looks on a background with the R_YB color 146, 12, 142.

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
137, 57, 60

Trichromacy



Original Color

146, 12, 142



Protanomaly

53, 56, 160



Deuteranomaly

88, 58, 137



Tritanomaly

140, 41, 90

Monochromacy



Original Color

146, 12, 142



Achromatopsia

67, 67, 67



Achromatomaly

96, 47, 94

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 12, 142 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(146, 12, 142)` looks like.

```
.text, #text, p{  
    color:rgb(146, 12, 142)  
}
```

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(146, 12, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 12, 142) }
```

Border

The CSS property to change the border of an element to RYB 146, 12, 142 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(146, 12, 142) }
```

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

```
.border{ border-color:rgb(146, 12, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 12, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 12, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 12, 142);  
box-shadow:4px 4px 4px 4px rgb(146, 12,  
142) }
```

Background

The CSS property to change the background color of an element to RGB 146, 12, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 12, 142) }
```

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

```
.background{ background-color: rgb(146, 12,  
142) }
```

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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