

Converting Colors

`RYB(145, 42, 145)`

Have a look what the booklet for
RYB(145, 42, 145) contains.

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Color

`RYB(145, 42, 145)`

Conversions

Conversions Part 1	
Format	Color
Hex	912A91
RGB	145, 42, 145
RGB Percent	57%, 16%, 57%
CMY	0.4314, 0.8353, 0.4314
CMYK	0.00, 0.71, 0.00, 0.43
HSL	300°, 55%, 37%
HSV	300°, 71%, 57%
XYZ	17.6159, 9.7200, 27.7358
YIQ	84.5390, 28.3250, 53.8690

Conversions

Conversions Part 2

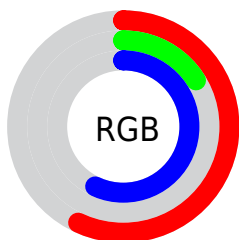
Format	Color
RYB	145, 42, 145
Decimal	9513617
CIELab	37.34, 55.18, -34.82
CIELCh	37, 65.252, 327.744
Yxy	9.7200, 0.3199, 0.1765
Android (android.graphics.Color)	4287703697 (0xFF912A91)
YUV	84.5390, 29.8073, 53.0243
Hunter-Lab	31.1769, 46.2980, -30.9220

Details

The RYB color **145, 42, 145** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **42, 145, 145**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **202, 97, 199**, and **91, 0, 94** is the 20% darker color. If you saturate the color by 10%, you get **145, 27, 145**, and if you desaturate by 10%, it is **145, 56, 145**.

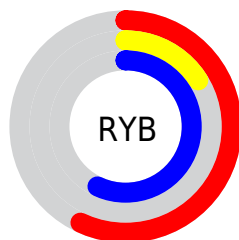
Distribution



Red (57%)

Green (16%)

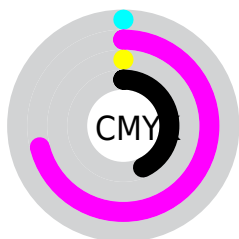
Blue (57%)



Red (57%)

Yellow (16%)

Blue (57%)

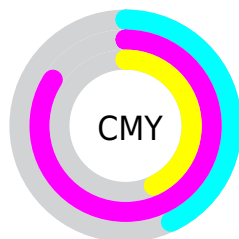


Cyan (0%)

Magenta (71%)

Yellow (0%)

Black (43%)



Cyan (43%)
















Magenta (84%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the RYB color 145, 42, 145 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, 42, 145 by changing the saturation by 10% instead.

 145, 42, 145	 145, 42, 145
 255, 255, 255	 118, 3, 119
 202, 97, 199	 91, 0, 94
 231, 125, 228	 64, 0, 70
 255, 152, 255	 41, 0, 47
 255, 180, 255	 0, 1, 25
 255, 209, 255	 0, 0, 0
 255, 238, 255	

 145, 42, 145	 145, 42, 145
 145, 27, 145	 145, 56, 145


 145, 13, 145

 145, 71, 145

 145, 0, 145

 145, 86, 145

 145, 100, 145

 145, 114, 145

 145, 129, 145

 145, 143, 145

 145, 158, 158

 145, 173, 173

Harmonies

Analogous

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



68, 75, 182



145, 42, 145



175, 0, 94

Triad

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



145, 42, 145



34, 111, 0



0, 61, 136

Complementary

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



145, 42, 145



42, 145, 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.



0, 62, 109



145, 42, 145



0, 99, 40

Square

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



145, 42, 145



150, 103, 0



0, 86, 106



0, 67, 177

Rectangle

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



145, 42, 145



177, 3, 60



0, 86, 106



0, 57, 119

Sweetspot

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



145, 42, 145



189, 149, 189



42, 42, 145



94, 71, 94



222, 222, 222



94, 94, 94

Same Dimension

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



145, 42, 145



189, 28, 189



145, 42, 94



71, 64, 71



135, 0, 135



8, 0, 8

Inverse Universe

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



145, 42, 145



189, 28, 189



42, 110, 145



71, 64, 71



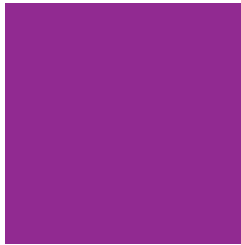
135, 0, 135



8, 0, 8

Previews

White Background



This preview shows how the RYB color 145, 42, 145 looks on a white background.

Color Contrast Check

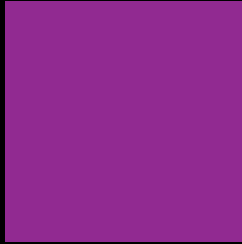
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 145, 42, 145 looks on a 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](#).

RYB 145, 42, 145 Background



This preview shows how black text looks on a background with the RYB color 145, 42, 145.



This preview shows how white text looks on a background with the RYB color 145, 42, 145.

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

145, 42, 145

Protanopia

0, 58, 182

Deuteranopia

64, 83, 138



Tritanopia

137, 67, 72

Trichromacy



Original Color

145, 42, 145



Protanomaly

53, 68, 169



Deuteranomaly

93, 72, 141



Tritanomaly

140, 58, 99

Monochromacy



Original Color

145, 42, 145



Achromatopsia

85, 85, 85



Achromatomaly

107, 69, 107

CSS Examples

Text

The CSS property to change the color of the text to RGB 145, 42, 145 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, 42, 145) looks like.

```
.text, #text, p{  
    color:rgb(145, 42, 145)  
}
```


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, 42, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 42, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 42, 145 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, 42, 145) }
```


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

```
.border{ border-color:rgb(145, 42, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 42, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 42, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 42, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 42,  
145) }
```


Background

The CSS property to change the background color of an element to RGB 145, 42, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 42, 145) }
```

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

```
.background{ background-color: rgb(145, 42,  
145) }
```

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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