

Converting Colors

RGB(170, 42, 142)

Have a look what the booklet for
RGB(170, 42, 142) contains.

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Color

RGB(170, 42, 142)

Conversions

Conversions Part 1

Format	Color
Hex	AA2A8E
RGB	170, 42, 142
RGB Percent	67%, 16%, 56%
CMY	0.3333, 0.8353, 0.4431
CMYK	0.00, 0.75, 0.16, 0.33
HSL	313°, 60%, 42%
HSV	313°, 75%, 67%
XYZ	22.2880, 12.1550, 26.7626
YIQ	91.6720, 44.1880, 58.2360

Conversions

Conversions Part 2

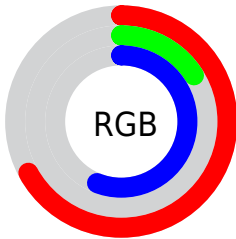
Format	Color
RYB	170, 42, 142
Decimal	11152014
CIELab	41.46, 60.65, -26.21
CIELCh	41, 66.072, 336.629
Yxy	12.1550, 0.3641, 0.1986
Android (android.graphics.Color)	4289342094 (0xFFAA2A8E)
YUV	91.6720, 24.8117, 68.6937
Hunter-Lab	34.8640, 53.1004, -21.1080

Details

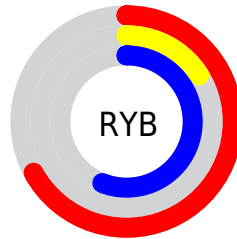
The RGB color **170, 42, 142** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **42, 170, 70**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **228, 101, 196**, and **114, 0, 91** is the 20% darker color. If you saturate the color by 10%, you get **170, 25, 138**, and if you desaturate by 10%, it is **170, 59, 146**.

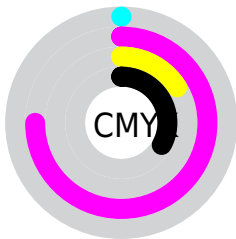
Distribution



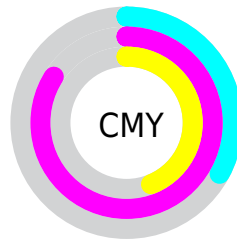
- Red (67%)
- Green (16%)
- Blue (56%)



- Red (67%)
- Yellow (16%)
- Blue (56%)



- Cyan (0%)
- Magenta (75%)
- Yellow (16%)
- Black (33%)



- Cyan (33%)
- Magenta (84%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RGB color 170, 42, 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 RGB color 170, 42, 142 by changing the saturation by 10% instead.

 170, 42, 142

255, 255, 255

 228, 101, 196

 255, 129, 224

 255, 157, 253

 255, 185, 255

 255, 214, 255


 255, 243, 255

 170, 42, 142

 142, 0, 116

 114, 0, 91

 86, 0, 68

 61, 0, 45

 33, 0, 23

 0, 0, 0

 170, 42, 142

 170, 25, 138

 170, 42, 142

 170, 59, 146

■ 170, 8, 135

■ 170, 76, 149

■ 170, 0, 133

■ 170, 93, 153

■ 170, 110, 157

■ 170, 127, 161

■ 170, 144, 164

■ 170, 161, 168

■ 170, 178, 172

■ 170, 195, 175

Harmonies

Analogous

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



111, 77, 186



170, 42, 142



191, 17, 88

Triad

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



170, 42, 142



109, 100, 0



0, 120, 162

Complementary

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



170, 42, 142



42, 170, 70

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, 121, 109



170, 42, 142



48, 112, 0

Square

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



170, 42, 142



152, 78, 0



0, 118, 51



0, 115, 198

Rectangle

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



170, 42, 142



188, 36, 53



0, 118, 51



0, 121, 145

Sweetspot

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



170, 42, 142



222, 171, 211



70, 42, 170



112, 81, 105



240, 240, 240



112, 112, 112

Same Dimension

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



170, 42, 142



222, 22, 178



170, 42, 78



84, 76, 82



148, 0, 116



20, 0, 16

Inverse Universe

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



170, 42, 142



222, 22, 178



42, 170, 134



84, 76, 82



148, 0, 116



20, 0, 16

Previews

White Background



This preview shows how the RGB color 170, 42, 142 looks on a white background.

Color Contrast Check

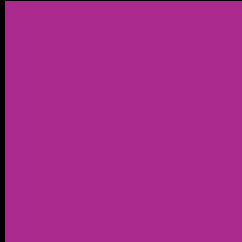
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 170, 42, 142 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](#).

RGB 170, 42, 142 Background



This preview shows how black text looks on a background with the RGB color 170, 42, 142.



This preview shows how white text looks on a background with the RGB color 170, 42, 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



Original Color
170, 42, 142

Protanopia
49, 96, 187

Deuteranopia
88, 97, 134



Tritanopia
163, 66, 70

Trichromacy



Original Color

170, 42, 142



Protanomaly

93, 76, 171



Deuteranomaly

118, 77, 137



Tritanomaly

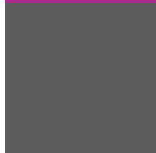
166, 57, 96

Monochromacy



Original Color

170, 42, 142



Achromatopsia

92, 92, 92



Achromatomaly

120, 74, 110

CSS Examples

Text

The CSS property to change the color of the text to RGB 170, 42, 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(170, 42, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 42, 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(170, 42, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 42, 142) }
```

Border

The CSS property to change the border of an element to RGB 170, 42, 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(170, 42, 142) }
```

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

```
.border{ border-color:rgb(170, 42, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 42, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 42, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 42, 142);  
box-shadow:4px 4px 4px 4px rgb(170, 42,  
142) }
```

Background

The CSS property to change the background color of an element to RGB 170, 42, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 42, 142) }
```

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

```
.background{ background-color: rgb(170, 42,  
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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