

Converting Colors

`RYB(171, 88, 146)`

Have a look what the booklet for
RYB(171, 88, 146) contains.

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Color

RYP(171, 88, 146)

Conversions

Conversions Part 1

Format	Color
Hex	AB5892
RGB	171, 88, 146
RGB Percent	67%, 35%, 57%
CMY	0.3294, 0.6549, 0.4275
CMYK	0.00, 0.49, 0.15, 0.33
HSL	318°, 33%, 51%
HSV	318°, 49%, 67%
XYZ	25.4726, 17.7127, 29.2705
YIQ	119.4290, 30.8500, 35.6340

Conversions

Conversions Part 2

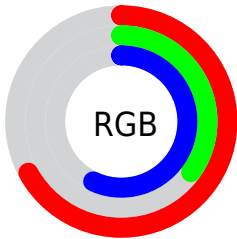
Format	Color
R_{YB}	171, 88, 146
Decimal	11229330
CIE _{Lab}	49.15, 41.56, -16.76
CIE _{LCh}	49, 44.816, 338.042
Yxy	17.7127, 0.3516, 0.2445
Android (android.graphics.Color)	4289419410 (0xFFAB5892)
YUV	119.4290, 13.0995, 45.2278
Hunter-Lab	42.0865, 34.3849, -11.7747

Details

The RYB color **171, 88, 146** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **88, 152, 171**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **228, 140, 200**, and **117, 37, 95** is the 20% darker color. If you saturate the color by 10%, you get **171, 71, 141**, and if you desaturate by 10%, it is **171, 105, 151**.

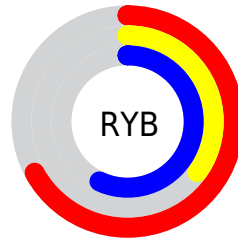
Distribution



Red (67%)

Green (35%)

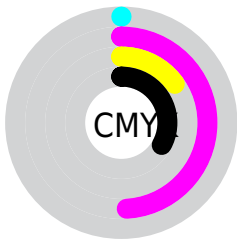
Blue (57%)



Red (67%)

Yellow (35%)

Blue (57%)

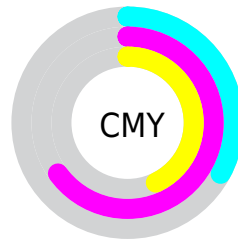


Cyan (0%)

Magenta (49%)

Yellow (15%)

Black (33%)



Cyan (33%)

Magenta (65%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 88, 146 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 171, 88, 146 by changing the saturation by 10% instead.



171, 88, 146



171, 88, 146

255, 255, 255



143, 63, 120



228, 140, 200



117, 37, 95



255, 168, 228



90, 6, 72



255, 195, 255



65, 0, 49



255, 224, 255



44, 0, 28



255, 253, 255



0, 0, 0



171, 88, 146



171, 88, 146



171, 71, 141



171, 105, 151



171, 54, 136



171, 122, 156

171, 37, 131

171, 139, 161

171, 20, 125

171, 156, 167

171, 3, 120

171, 172, 173

171, 0, 119

171, 186, 191

171, 200, 208

171, 213, 225

171, 226, 242

Harmonies

Analogous

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



132, 103, 177



171, 88, 146



187, 83, 108

Triad

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



171, 88, 146



47, 128, 36



0, 74, 163

Complementary

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



171, 88, 146



88, 152, 171

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, 71, 136



171, 88, 146



54, 128, 94

Square

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



171, 88, 146



150, 160, 45



18, 90, 133



0, 76, 187

Rectangle

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



171, 88, 146



185, 87, 83



18, 90, 133



0, 71, 151

Sweetspot

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



171, 88, 146



222, 189, 212



113, 88, 171



112, 92, 106



240, 240, 240



112, 112, 112

Same Dimension

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



171, 88, 146



222, 93, 183



171, 88, 105



87, 78, 84



150, 0, 105



23, 0, 16

Inverse Universe

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



171, 88, 146



222, 93, 183



88, 134, 171



87, 78, 84



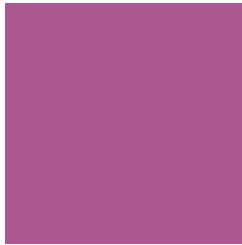
150, 0, 105



23, 0, 16

Previews

White Background



This preview shows how the RYB color 171, 88, 146 looks on a white background.

Color Contrast Check

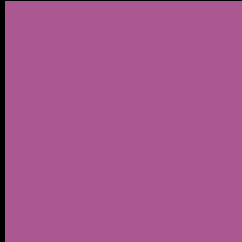
Large Text (above 18pt) WCAG AA ✓ Pass

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 171, 88, 146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

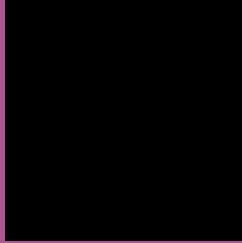
Any Text WCAG AA ✓ Pass

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 171, 88, 146 Background



This preview shows how black text looks on a background with the RYB color 171, 88, 146.

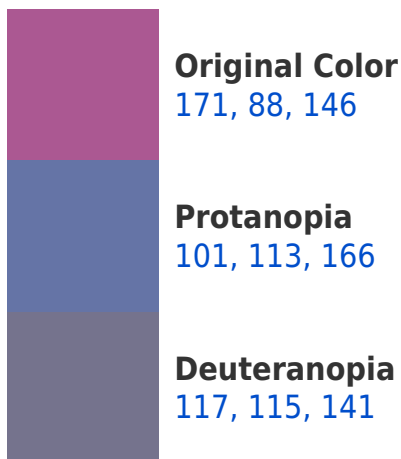


This preview shows how white text looks on a background with the RYB color 171, 88, 146.

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
167, 97, 104

Trichromacy



Original Color

171, 88, 146

Protanomaly

126, 106, 159

Deuteranomaly

137, 105, 143

Tritanomaly

168, 94, 119

Monochromacy



Original Color

171, 88, 146

Achromatopsia

119, 119, 119

Achromatomaly

138, 108, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 88, 146 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(171, 88, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 88, 146)  
}
```

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(171, 88, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 88, 146) }
```

Border

The CSS property to change the border of an element to RYB 171, 88, 146 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(171, 88, 146) }
```

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

```
.border{ border-color:rgb(171, 88, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 88, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 88, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 88, 146); box-shadow:4px 4px 4px 4px rgb(171, 88, 146) }
```

Background

The CSS property to change the background color of an element to RYB 171, 88, 146 is called "background".

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

```
.background, #background, body{  
background: rgb(171, 88, 146) }
```

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

```
.background{ background-color: rgb(171, 88,  
146) }
```

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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