

Converting Colors

`RYB(171, 85, 145)`

Have a look what the booklet for
RYB(171, 85, 145) contains.

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Color

`RYB(171, 85, 145)`

Conversions

Conversions Part 1

Format	Color
Hex	AB5591
RGB	171, 85, 145
RGB Percent	67%, 33%, 57%
CMY	0.3294, 0.6667, 0.4314
CMYK	0.00, 0.50, 0.15, 0.33
HSL	318°, 34%, 50%
HSV	318°, 50%, 67%
XYZ	25.1539, 17.1993, 28.7821
YIQ	117.5540, 31.9960, 36.8920

Conversions

Conversions Part 2

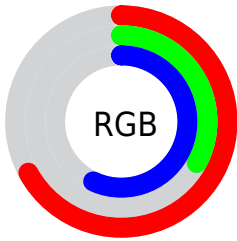
Format	Color
R_{YB}	171, 85, 145
Decimal	11228561
CIE _{Lab}	48.51, 42.95, -17.13
CIE _{LCh}	49, 46.245, 338.256
Yxy	17.1993, 0.3536, 0.2418
Android (android.graphics.Color)	4289418641 (0xFFAB5591)
YUV	117.5540, 13.5309, 46.8721
Hunter-Lab	41.4720, 35.6893, -12.1176

Details

The RYB color **171, 85, 145** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **85, 151, 171**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **228, 138, 199**, and **116, 33, 94** is the 20% darker color. If you saturate the color by 10%, you get **171, 68, 140**, and if you desaturate by 10%, it is **171, 102, 150**.

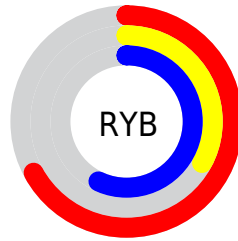
Distribution



Red (67%)

Green (33%)

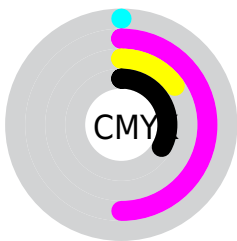
Blue (57%)



Red (67%)

Yellow (33%)

Blue (57%)

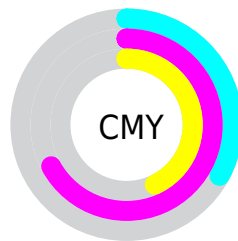


Cyan (0%)

Magenta (50%)

Yellow (15%)

Black (33%)



Cyan (33%)















Magenta (67%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 85, 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 171, 85, 145 by changing the saturation by 10% instead.

 171, 85, 145	 171, 85, 145
 255, 255, 255	 143, 59, 119
 228, 138, 199	 116, 33, 94
 255, 165, 227	 90, 0, 71
 255, 192, 255	 65, 0, 48
 255, 221, 255	 43, 0, 27
 255, 250, 255	 0, 0, 0

 171, 85, 145	 171, 85, 145
 171, 68, 140	 171, 102, 150
 171, 51, 135	 171, 119, 155

171, 34, 129

171, 136, 161

171, 17, 124

171, 153, 166

171, 0, 119

171, 170, 171

171, 184, 188

171, 197, 205

171, 210, 222

171, 223, 239

Harmonies

Analogous

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



131, 100, 177



171, 85, 145



187, 79, 106

Triad

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



171, 85, 145



41, 126, 31



0, 73, 163

Complementary

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



171, 85, 145



85, 151, 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, 69, 134



171, 85, 145



50, 127, 93

Square

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



171, 85, 145



146, 159, 40



0, 80, 132



0, 76, 187

Rectangle

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



171, 85, 145



185, 84, 80



0, 80, 132



0, 71, 151

Sweetspot

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



171, 85, 145



222, 189, 212



111, 85, 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, 85, 145



222, 89, 182



171, 85, 102



87, 78, 84



150, 0, 105



23, 0, 16

Inverse Universe

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



171, 85, 145



222, 89, 182



85, 133, 171



87, 78, 84



150, 0, 105



23, 0, 16

Previews

White Background



This preview shows how the RYB color 171, 85, 145 looks on a white background.

Color Contrast Check

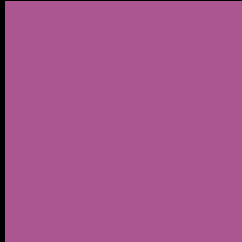
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 171, 85, 145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

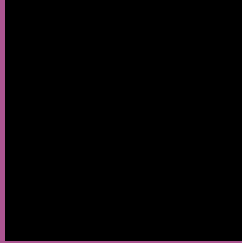
Any Text WCAG AA × Fail

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](#).

RYB 171, 85, 145 Background



This preview shows how black text looks on a background with the RYB color 171, 85, 145.



This preview shows how white text looks on a background with the RYB color 171, 85, 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
171, 85, 145

Protanopia
99, 111, 167

Deuteranopia
115, 113, 140



Tritanopia
166, 95, 101

Trichromacy



Original Color
171, 85, 145

Protanomaly
125, 103, 159

Deuteranomaly
135, 103, 142

Tritanomaly
168, 91, 117

Monochromacy



Original Color
171, 85, 145

Achromatopsia
118, 118, 118

Achromatomaly
137, 106, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 85, 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(171, 85, 145)` looks like.

```
.text, #text, p{  
    color:rgb(171, 85, 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(171, 85, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 85, 145) }
```

Border

The CSS property to change the border of an element to RYB 171, 85, 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(171, 85, 145) }
```

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

```
.border{ border-color:rgb(171, 85, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 85, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 85, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 85, 145);  
box-shadow:4px 4px 4px 4px rgb(171, 85,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 171, 85, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 85, 145) }
```

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

```
.background{ background-color: rgb(171, 85,  
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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