

Converting Colors

`RYB(170, 85, 156)`

Have a look what the booklet for
RYB(170, 85, 156) contains.

RYB(170, 85, 156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYP(170, 85, 156)

Conversions

Conversions Part 1

Format	Color
Hex	AA559C
RGB	170, 85, 156
RGB Percent	67%, 33%, 61%
CMY	0.3333, 0.6667, 0.3882
CMYK	0.00, 0.50, 0.08, 0.33
HSL	310°, 33%, 50%
HSV	310°, 50%, 67%
XYZ	25.8268, 17.4433, 33.4582
YIQ	118.5090, 27.8690, 40.1010

Conversions

Conversions Part 2

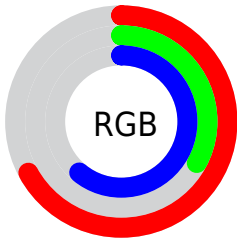
Format	Color
R _{YB}	170, 85, 156
Decimal	11163036
CIE _{Lab}	48.81, 44.48, -23.21
CIE _{LCh}	49, 50.175, 332.442
Yxy	17.4433, 0.3366, 0.2273
Android (android.graphics.Color)	4289353116 (0xFFAA559C)
YUV	118.5090, 18.4831, 45.1576
Hunter-Lab	41.7652, 37.2918, -18.2616

Details

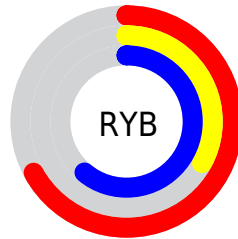
The RYB color **170, 85, 156** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **85, 158, 170**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **227, 138, 211**, and **116, 33, 105** is the 20% darker color. If you saturate the color by 10%, you get **170, 68, 153**, and if you desaturate by 10%, it is **170, 102, 159**.

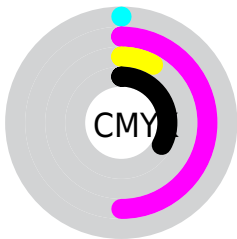
Distribution



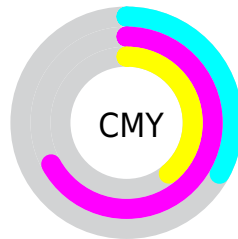
- Red (67%)
- Green (33%)
- Blue (61%)



- Red (67%)
- Yellow (33%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (8%)
- Black (33%)




- Cyan (33%)
- Magenta (67%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 85, 156 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 170, 85, 156 by changing the saturation by 10% instead.

 170, 85, 156

255, 255, 255


 227, 138, 211

 255, 165, 239


 255, 193, 255

 255, 221, 255

 255, 250, 255

 170, 85, 156

 142, 59, 130

 116, 33, 105


 89, 0, 80

 64, 0, 57

 42, 0, 35


 0, 0, 10


 0, 0, 0


 170, 85, 156


 170, 68, 153


 170, 85, 156


 170, 102, 159


 170, 51, 150

 170, 119, 162


 170, 34, 148


 170, 136, 164


 170, 17, 145

 170, 153, 167

 170, 0, 142

 170, 170, 170

 170, 184, 187

 170, 199, 204

 170, 214, 221

 170, 229, 238

Harmonies

Analogous

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



121, 103, 188



170, 85, 156



191, 75, 114

Triad

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



170, 85, 156



44, 135, 20



0, 73, 160

Complementary

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



170, 85, 156



85, 158, 170

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, 73, 136



170, 85, 156



38, 127, 74

Square

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



170, 85, 156



168, 151, 39



13, 92, 133



0, 77, 191

Rectangle

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



170, 85, 156



192, 78, 86



13, 92, 133



0, 71, 147

Sweetspot

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



170, 85, 156



222, 189, 216



98, 85, 170



112, 92, 109



240, 240, 240



112, 112, 112

Same Dimension

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



170, 85, 156



222, 89, 200



170, 85, 115



84, 76, 83



148, 0, 124



20, 0, 17

Inverse Universe

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



170, 85, 156



222, 89, 200



85, 137, 170



84, 76, 83



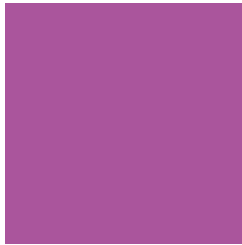
148, 0, 124



20, 0, 17

Previews

White Background



This preview shows how the RYB color 170, 85, 156 looks on a white background.

Color Contrast Check

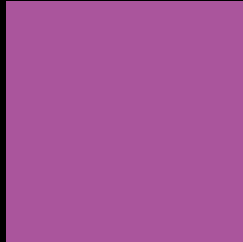
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 85, 156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

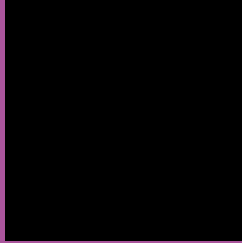
Any Text WCAG AA × Fail

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 170, 85, 156 Background



This preview shows how black text looks on a background with the RYB color 170, 85, 156.

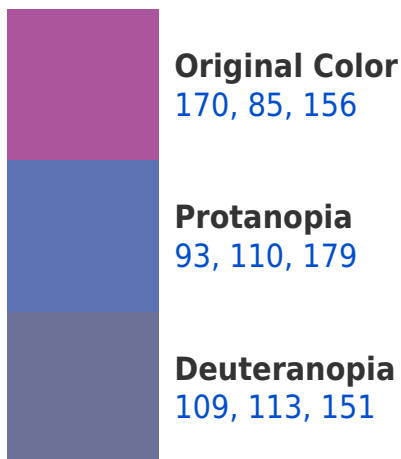


This preview shows how white text looks on a background with the RYB color 170, 85, 156.

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
164, 97, 104

Trichromacy



Original Color
170, 85, 156

Protanomaly
121, 103, 171

Deuteranomaly
131, 103, 153

Tritanomaly
166, 93, 123

Monochromacy



Original Color
170, 85, 156

Achromatopsia
119, 119, 119

Achromatomaly
138, 107, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 85, 156 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, 85, 156)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 156)  
}
```

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, 85, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 156) }
```

Border

The CSS property to change the border of an element to RYB 170, 85, 156 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, 85, 156) }
```

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

```
.border{ border-color:rgb(170, 85, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 85, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 85, 156); box-shadow:4px 4px 4px 4px rgb(170, 85, 156) }
```

Background

The CSS property to change the background color of an element to RYB 170, 85, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 156) }
```

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

```
.background{ background-color: rgb(170, 85,  
156) }
```

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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