

Converting Colors

`RYB(170, 35, 175)`

Have a look what the booklet for
RYB(170, 35, 175) contains.

RYB(170, 35, 175)	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

R_YB(170, 35, 175)

Conversions

Conversions Part 1

Format	Color
Hex	AA23AF
RGB	170, 35, 175
RGB Percent	67%, 14%, 69%
CMY	0.3333, 0.8627, 0.3137
CMYK	0.03, 0.80, 0.00, 0.31
HSL	298°, 67%, 41%
HSV	298°, 80%, 69%
XYZ	24.9165, 12.8433, 41.7232
YIQ	91.3250, 35.5200, 72.1600

Conversions

Conversions Part 2

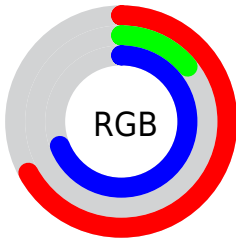
Format	Color
R_{YB}	170, 35, 175
Decimal	11150255
CIE _{Lab}	42.53, 67.73, -44.36
CIE _{LCh}	43, 80.968, 326.778
Yxy	12.8433, 0.3135, 0.1616
Android (android.graphics.Color)	4289340335 (0xFFAA23AF)
YUV	91.3250, 41.2518, 68.9980
Hunter-Lab	35.8375, 61.3887, -43.9411

Details

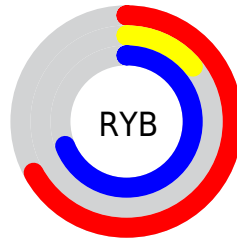
The RYB color **170, 35, 175** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **35, 175, 170**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **229, 98, 231**, and **113, 0, 122** is the 20% darker color. If you saturate the color by 10%, you get **169, 17, 175**, and if you desaturate by 10%, it is **171, 53, 175**.

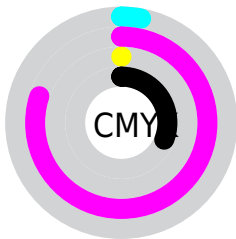
Distribution



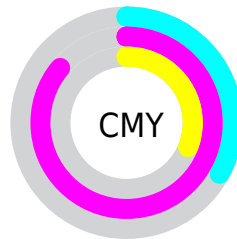
- Red (67%)
- Green (14%)
- Blue (69%)



- Red (67%)
- Yellow (14%)
- Blue (69%)



- Cyan (3%)
- Magenta (80%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (86%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RYB color 170, 35, 175 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, 35, 175 by changing the saturation by 10% instead.

 170, 35, 175

 170, 35, 175

255, 255, 255

 141, 0, 148

 229, 98, 231

 113, 0, 122

 255, 126, 255

 86, 0, 96

 255, 154, 255

 60, 0, 72

 255, 183, 255

 32, 0, 48

 255, 212, 255

 0, 1, 26


 255, 242, 255

 0, 0, 0

 170, 35, 175

 170, 35, 175

 169, 17, 175

 171, 53, 175

■ 169, 0, 175

■ 171, 70, 175

■ 172, 88, 175

■ 172, 105, 175

■ 173, 122, 175

■ 174, 140, 175

■ 174, 158, 175

■ 175, 175, 175

■ 175, 193, 192

Harmonies

Analogous

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



59, 82, 222



170, 35, 175



208, 0, 111

Triad

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



170, 35, 175



44, 129, 0



0, 71, 160

Complementary

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



170, 35, 175



35, 175, 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, 126



170, 35, 175



0, 114, 51

Square

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



170, 35, 175



178, 95, 0



0, 114, 122



0, 78, 213

Rectangle

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



170, 35, 175



211, 0, 67



0, 114, 122



0, 66, 138

Sweetspot

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



170, 35, 175



225, 172, 227



35, 42, 175



114, 81, 115



242, 242, 242



115, 115, 115

Same Dimension

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



170, 35, 175



219, 9, 227



175, 35, 112



86, 78, 87



145, 0, 150



22, 0, 23

Inverse Universe

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



175, 35, 40



227, 9, 17



35, 132, 175



87, 78, 78



150, 0, 5



23, 0, 1

Previews

White Background



This preview shows how the RYB color 170, 35, 175 looks on a white background.

Color Contrast Check

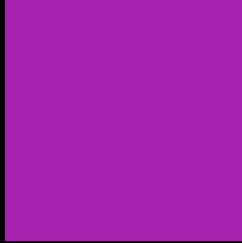
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

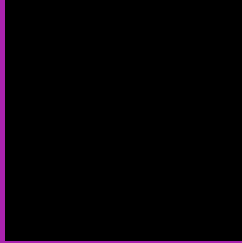
Any Text WCAG AA × Fail

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, 35, 175 Background



This preview shows how black text looks on a background with the RYB color 170, 35, 175.

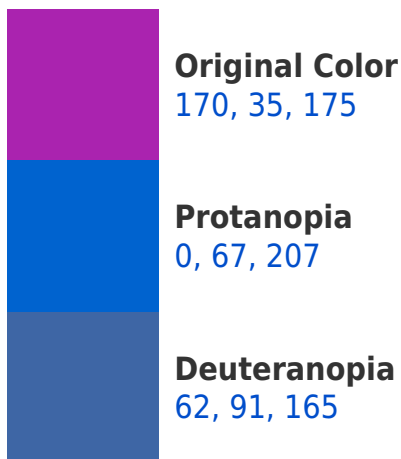


This preview shows how white text looks on a background with the RYB color 170, 35, 175.

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
159, 74, 80

Trichromacy



Original Color

170, 35, 175



Protanomaly

62, 74, 195



Deuteranomaly

101, 78, 169



Tritanomaly

163, 60, 115

Monochromacy



Original Color

170, 35, 175



Achromatopsia

91, 91, 91



Achromatomaly

120, 71, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 35, 175 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, 35, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 35, 175)  
}
```

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, 35, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 35, 175) }
```

Border

The CSS property to change the border of an element to RYB 170, 35, 175 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, 35, 175) }
```

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

```
.border{ border-color:rgb(170, 35, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 35, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 35, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 35, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 35,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 170, 35, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 35, 175) }
```

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

```
.background{ background-color: rgb(170, 35,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor