

Converting Colors

`RYB(165, 91, 175)`

Have a look what the booklet for
RYB(165, 91, 175) contains.

RYB(165, 91, 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(165, 91, 175)

Conversions

Conversions Part 1

Format	Color
Hex	A55BAF
RGB	165, 91, 175
RGB Percent	65%, 36%, 69%
CMY	0.3529, 0.6431, 0.3137
CMYK	0.06, 0.48, 0.00, 0.31
HSL	293°, 34%, 52%
HSV	293°, 48%, 69%
XYZ	26.9960, 18.5766, 42.7202
YIQ	122.7020, 17.1400, 41.8120

Conversions

Conversions Part 2

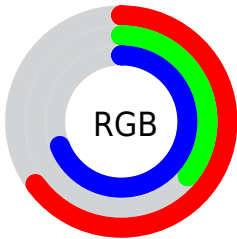
Format	Color
R_{YB}	165, 91, 175
Decimal	10836911
CIE _{Lab}	50.19, 43.37, -32.30
CIE _{LCh}	50, 54.078, 323.327
Yxy	18.5766, 0.3058, 0.2104
Android (android.graphics.Color)	4289026991 (0xFFA55BAF)
YUV	122.7020, 25.7829, 37.0953
Hunter-Lab	43.1006, 36.3770, -28.5963

Details

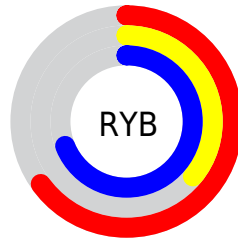
The RYB color **165, 91, 175** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **91, 175, 165**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **222, 143, 231**, and **111, 40, 122** is the 20% darker color. If you saturate the color by 10%, you get **163, 74, 175**, and if you desaturate by 10%, it is **167, 109, 175**.

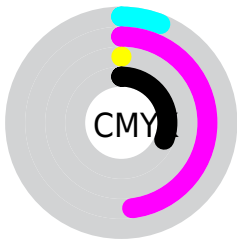
Distribution



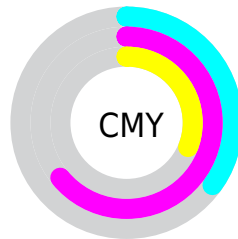
- Red (65%)
- Green (36%)
- Blue (69%)



- Red (65%)
- Yellow (36%)
- Blue (69%)



- Cyan (6%)
- Magenta (48%)
- Yellow (0%)
- Black (31%)




- Cyan (35%)
- Magenta (64%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RYB color 165, 91, 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 165, 91, 175 by changing the saturation by 10% instead.

 165, 91, 175


255, 255, 255

 222, 143, 231


 251, 171, 255


 255, 199, 255

 255, 227, 255

 165, 91, 175

 138, 66, 148

 111, 40, 122

 85, 11, 97

 60, 0, 73

 39, 0, 50


 0, 1, 28


 0, 0, 0

 165, 91, 175

 163, 74, 175


 165, 91, 175

 167, 109, 175


 161, 56, 175

 169, 126, 175

 159, 39, 175

 171, 144, 175

 157, 21, 175

 173, 161, 175

 155, 4, 175

 175, 179, 179

 154, 0, 175

 175, 196, 193

 175, 214, 209

 175, 231, 224

 175, 249, 240

Harmonies

Analogous

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



100, 111, 204



165, 91, 175



197, 75, 132

Triad

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



165, 91, 175



65, 151, 14



0, 74, 155

Complementary

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



165, 91, 175



91, 175, 165

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, 79, 140



165, 91, 175



23, 128, 43

Square

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



165, 91, 175



184, 123, 45



45, 122, 136



0, 80, 193

Rectangle

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



165, 91, 175



203, 75, 101



45, 122, 136



0, 71, 141

Sweetspot

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



165, 91, 175



223, 195, 227



91, 101, 175



112, 95, 115



242, 242, 242



115, 115, 115

Same Dimension

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



165, 91, 175



211, 95, 227



175, 91, 144



86, 78, 87



133, 0, 150



20, 0, 23

Inverse Universe

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



175, 91, 101



227, 95, 111



91, 152, 175



87, 78, 79



150, 0, 18



23, 0, 3

Previews

White Background



This preview shows how the RYB color 165, 91, 175 looks on a white background.

Color Contrast Check

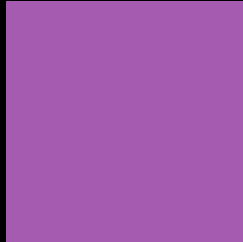
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 165, 91, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

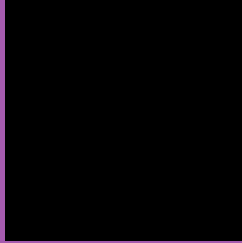
Any Text WCAG AA ✓ Pass

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 165, 91, 175 Background



This preview shows how black text looks on a background with the RYB color 165, 91, 175.

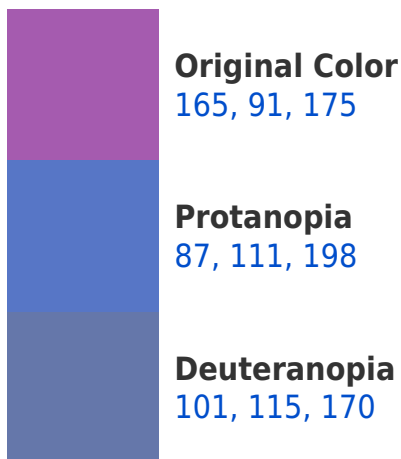



This preview shows how white text looks on a background with the RYB color 165, 91, 175.

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
157, 106, 114

Trichromacy



Original Color

165, 91, 175



Protanomaly

115, 108, 190



Deuteranomaly

124, 109, 172



Tritanomaly

160, 101, 136

Monochromacy



Original Color

165, 91, 175



Achromatopsia

123, 123, 123



Achromatomaly

138, 111, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 91, 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(165, 91, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 91, 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(165, 91, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 91, 175) }
```

Border

The CSS property to change the border of an element to RYB 165, 91, 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(165, 91, 175) }
```

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

```
.border{ border-color:rgb(165, 91, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 91, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 91, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 91, 175); box-shadow:4px 4px 4px 4px rgb(165, 91, 175) }
```

Background

The CSS property to change the background color of an element to RYB 165, 91, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 91, 175) }
```

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

```
.background{ background-color: rgb(165, 91,  
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](#).

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