

Converting Colors

`RYB(164, 86, 175)`

Have a look what the booklet for
RYB(164, 86, 175) contains.

RYB(164, 86, 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(164, 86, 175)

Conversions

Conversions Part 1

Format	Color
Hex	A456AF
RGB	164, 86, 175
RGB Percent	64%, 34%, 69%
CMY	0.3569, 0.6627, 0.3137
CMYK	0.06, 0.51, 0.00, 0.31
HSL	293°, 36%, 51%
HSV	293°, 51%, 69%
XYZ	26.3755, 17.6432, 42.5728
YIQ	119.4680, 17.9190, 44.2150

Conversions

Conversions Part 2

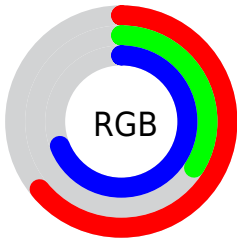
Format	Color
RYB	164, 86, 175
Decimal	10770095
CIELab	49.06, 45.70, -34.07
CIELCh	49, 57.002, 323.290
Yxy	17.6432, 0.3046, 0.2038
Android (android.graphics.Color)	4288960175 (0xFFA456AF)
YUV	119.4680, 27.3773, 39.0546
Hunter-Lab	42.0039, 38.5788, -30.6904

Details

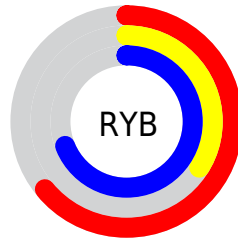
The RYB color **164, 86, 175** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **86, 175, 164**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **221, 139, 231**, and **110, 34, 122** is the 20% darker color. If you saturate the color by 10%, you get **162, 69, 175**, and if you desaturate by 10%, it is **166, 104, 175**.

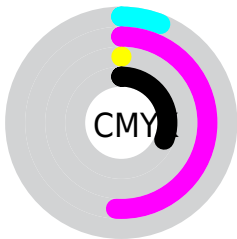
Distribution



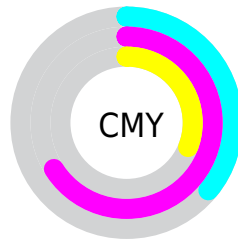
- Red (64%)
- Green (34%)
- Blue (69%)



- Red (64%)
- Yellow (34%)
- Blue (69%)



- Cyan (6%)
- Magenta (51%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (66%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the RYB color 164, 86, 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 164, 86, 175 by changing the saturation by 10% instead.

 164, 86, 175

255, 255, 255

 221, 139, 231

 250, 166, 255


 255, 194, 255

 255, 222, 255

 255, 251, 255

 164, 86, 175

 137, 60, 148

 110, 34, 122

 84, 1, 97

 58, 0, 73

 37, 0, 50

 0, 1, 27


 0, 0, 0

 164, 86, 175


 162, 69, 175


 164, 86, 175


 166, 104, 175

 160, 51, 175

 168, 121, 175

 158, 33, 175


 170, 139, 175

 155, 16, 175

 173, 156, 175

 153, 0, 175

 175, 174, 175

 175, 191, 189

 175, 209, 205

 175, 226, 220

 175, 244, 236

Harmonies

Analogous

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



94, 106, 206



164, 86, 175



197, 68, 130

Triad

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



164, 86, 175



51, 149, 0



0, 73, 153

Complementary

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



164, 86, 175



86, 175, 164

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, 138



164, 86, 175



7, 125, 29

Square

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



164, 86, 175



183, 119, 38



33, 116, 134



0, 80, 194

Rectangle

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



164, 86, 175



203, 68, 97



33, 116, 134



0, 70, 139

Sweetspot

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



164, 86, 175



223, 193, 227



86, 97, 175



112, 94, 115



242, 242, 242



115, 115, 115

Same Dimension

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



164, 86, 175



210, 89, 227



175, 86, 142



86, 78, 87



132, 0, 150



20, 0, 23

Inverse Universe

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



175, 86, 97



227, 89, 106



86, 151, 175



87, 78, 79



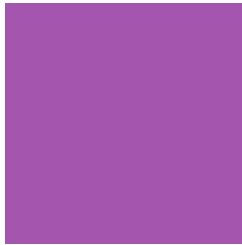
150, 0, 19



23, 0, 3

Previews

White Background



This preview shows how the RYB color 164, 86, 175 looks on a white background.

Color Contrast Check

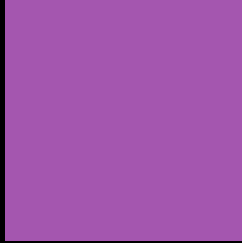
Large Text (above 18pt) WCAG AA ✓ Pass

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 164, 86, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

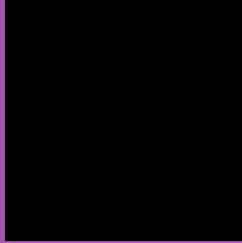
Any Text WCAG AA ✓ Pass

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 164, 86, 175 Background



This preview shows how black text looks on a background with the RYB color 164, 86, 175.

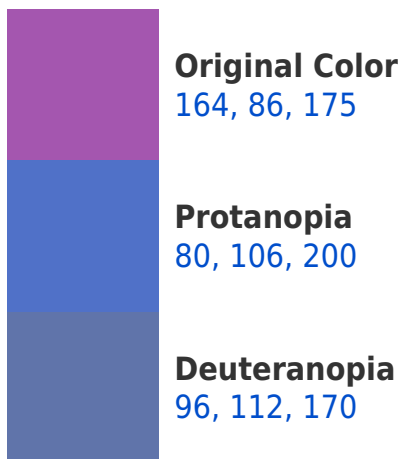



This preview shows how white text looks on a background with the RYB color 164, 86, 175.

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
155, 102, 110

Trichromacy



Original Color
164, 86, 175

Protanomaly
111, 104, 191

Deuteranomaly
121, 105, 172

Tritanomaly
158, 96, 134

Monochromacy



Original Color
164, 86, 175

Achromatopsia
119, 119, 119

Achromatomaly
135, 107, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 86, 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(164, 86, 175)` looks like.

```
.text, #text, p{  
    color:rgb(164, 86, 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(164, 86, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 86, 175) }
```

Border

The CSS property to change the border of an element to RYB 164, 86, 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(164, 86, 175) }
```

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

```
.border{ border-color:rgb(164, 86, 175) }
```

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

Here you see how a box with a 4 pixel rgb(164, 86, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 86, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 86, 175);  
box-shadow:4px 4px 4px 4px rgb(164, 86,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 164, 86, 175 is called "background".

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

```
.background, #background, body{  
background: rgb(164, 86, 175) }
```

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

```
.background{ background-color: rgb(164, 86,  
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