

Converting Colors

`RYB(166, 95, 171)`

Have a look what the booklet for
RYB(166, 95, 171) contains.

RYB(166, 95, 171)	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(166, 95, 171)

Conversions

Conversions Part 1

Format	Color
Hex	A65FAB
RGB	166, 95, 171
RGB Percent	65%, 37%, 67%
CMY	0.3490, 0.6275, 0.3294
CMYK	0.03, 0.44, 0.00, 0.33
HSL	296°, 31%, 52%
HSV	296°, 44%, 67%
XYZ	27.1688, 19.2317, 40.8082
YIQ	124.8930, 17.9200, 38.6880

Conversions

Conversions Part 2

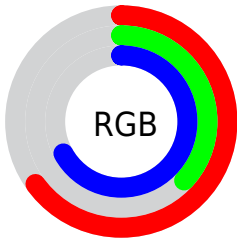
Format	Color
R_{YB}	166, 95, 171
Decimal	10903467
CIE _{Lab}	50.96, 40.76, -28.75
CIE _{LCh}	51, 49.881, 324.798
Yxy	19.2317, 0.3115, 0.2205
Android (android.graphics.Color)	4289093547 (0xFFA65FAB)
YUV	124.8930, 22.7308, 36.0508
Hunter-Lab	43.8539, 33.8415, -24.4744

Details

The RYB color **166, 95, 171** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **95, 171, 166**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **222, 147, 227**, and **112, 45, 118** is the 20% darker color. If you saturate the color by 10%, you get **165, 78, 171**, and if you desaturate by 10%, it is **167, 112, 171**.

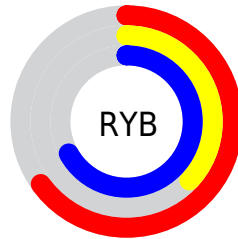
Distribution



Red (65%)

Green (37%)

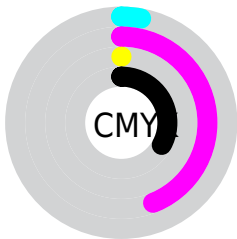
Blue (67%)



Red (65%)

Yellow (37%)

Blue (67%)

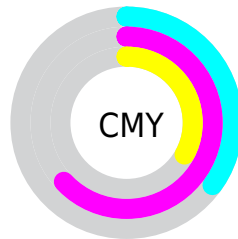


Cyan (3%)

Magenta (44%)

Yellow (0%)

Black (33%)



Cyan (35%)


Magenta (63%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 95, 171 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 166, 95, 171 by changing the saturation by 10% instead.

 166, 95, 171

255, 255, 255

 222, 147, 227

 252, 175, 255


 255, 203, 255

 255, 231, 255

 166, 95, 171

 139, 70, 144

 112, 45, 118

 86, 18, 93


 61, 0, 69

 40, 0, 47


 0, 0, 25

 0, 0, 0

 166, 95, 171

 165, 78, 171

 166, 95, 171

 167, 112, 171

164, 61, 171

168, 129, 171

163, 44, 171

169, 146, 171

161, 27, 171

170, 163, 171

160, 10, 171

171, 180, 179

160, 0, 171

171, 198, 196

171, 215, 212

171, 232, 228

171, 249, 244

Harmonies

Analogous

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



109, 113, 199



166, 95, 171



194, 82, 131

Triad

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



166, 95, 171



74, 150, 29



0, 74, 156

Complementary

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



166, 95, 171



95, 171, 166

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, 141



166, 95, 171



37, 130, 58

Square

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



166, 95, 171



181, 128, 52



53, 124, 138



0, 80, 190

Rectangle

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



166, 95, 171



199, 82, 102



53, 124, 138



0, 71, 142

Sweetspot

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



166, 95, 171



220, 193, 222



95, 100, 171



111, 94, 112



240, 240, 240



112, 112, 112

Same Dimension

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



166, 95, 171



214, 104, 222



171, 95, 138



86, 78, 87



141, 0, 150



21, 0, 23

Inverse Universe

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



171, 95, 100



222, 104, 112



95, 148, 171



87, 78, 79



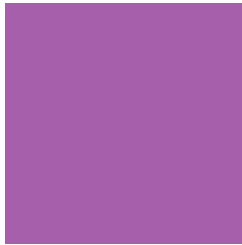
150, 0, 10



23, 0, 2

Previews

White Background



This preview shows how the RYB color 166, 95, 171 looks on a white background.

Color Contrast Check

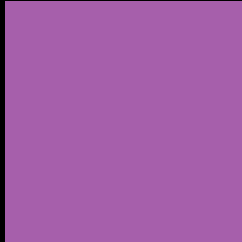
Large Text (above 18pt) WCAG AA ✓ Pass

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 166, 95, 171 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 166, 95, 171 Background



This preview shows how black text looks on a background with the RYB color 166, 95, 171.

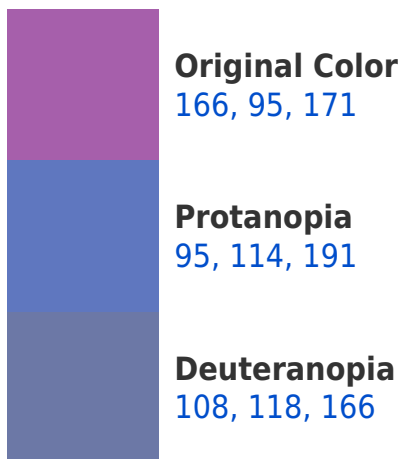


This preview shows how white text looks on a background with the RYB color 166, 95, 171.

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, 108, 116

Trichromacy



Original Color
166, 95, 171



Protanomaly
121, 110, 184



Deuteranomaly
129, 111, 168



Tritanomaly
162, 103, 136

Monochromacy



Original Color
166, 95, 171



Achromatopsia
125, 125, 125



Achromatomaly
140, 114, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 95, 171 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(166, 95, 171)` looks like.

```
.text, #text, p{  
    color:rgb(166, 95, 171)  
}
```

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(166, 95, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 95, 171) }
```

Border

The CSS property to change the border of an element to RYB 166, 95, 171 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(166, 95, 171) }
```

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

```
.border{ border-color:rgb(166, 95, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 95, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 95, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 95, 171);  
box-shadow:4px 4px 4px 4px rgb(166, 95,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 166, 95, 171 is called "background".

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

```
.background, #background, body{  
background: rgb(166, 95, 171) }
```

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

```
.background{ background-color: rgb(166, 95,  
171) }
```

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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