

Converting Colors

`RYB(163, 111, 195)`

Have a look what the booklet for RYB(163, 111, 195) contains.

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Color

$\text{RYB}(163, 111, 195)$

Conversions

Conversions Part 1

Format	Color
Hex	A36FC3
RGB	163, 111, 195
RGB Percent	64%, 44%, 76%
CMY	0.3608, 0.5647, 0.2353
CMYK	0.16, 0.43, 0.00, 0.24
HSL	277°, 41%, 60%
HSV	277°, 43%, 76%
XYZ	30.6390, 23.0955, 54.4728
YIQ	136.1240, 4.0280, 37.1480

Conversions

Conversions Part 2

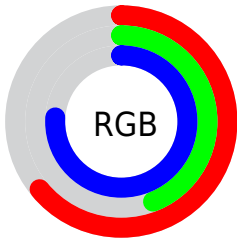
Format	Color
RYB	163, 111, 195
Decimal	10710979
CIELab	55.17, 36.06, -36.06
CIELCh	55, 51.000, 315.000
Yxy	23.0955, 0.2832, 0.2134
Android (android.graphics.Color)	4288901059 (0xFFA36FC3)
YUV	136.1240, 29.0259, 23.5703
Hunter-Lab	48.0578, 29.7006, -33.5638

Details

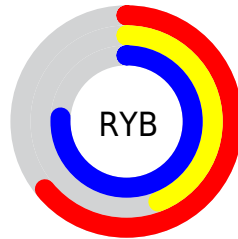
The RYB color **163, 111, 195** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **111, 195, 163**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **219, 164, 252**, and **109, 61, 141** is the 20% darker color. If you saturate the color by 10%, you get **156, 91, 195**, and if you desaturate by 10%, it is **170, 131, 195**.

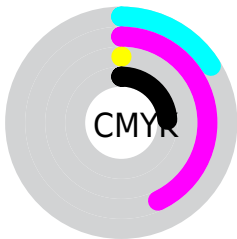
Distribution



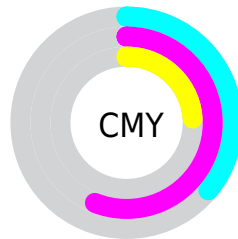
- Red (64%)
- Green (44%)
- Blue (76%)



- Red (64%)
- Yellow (44%)
- Blue (76%)



- Cyan (16%)
- Magenta (43%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 111, 195 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 163, 111, 195 by changing the saturation by 10% instead.

 163, 111, 195


255, 255, 255

 219, 164, 252

 248, 191, 255

 255, 219, 255

 255, 248, 255

 163, 111, 195

 136, 86, 168

 109, 61, 141

 84, 38, 115

 58, 13, 90

 34, 0, 66

 2, 0, 43


 0, 1, 21


 0, 0, 0

 163, 111, 195


 163, 111, 195

 156, 91, 195


 170, 131, 195

 148, 72, 195

 178, 150, 195

 141, 53, 195


 185, 170, 195

 133, 33, 195

 193, 189, 195

 126, 14, 195

 195, 208, 203

 121, 0, 195

 195, 228, 215

 195, 247, 227

 195, 255, 228

 195, 255, 220

Harmonies

Analogous

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



92, 121, 218



163, 111, 195



201, 95, 156

Triad

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



163, 111, 195



129, 174, 43



0, 77, 154

Complementary

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



163, 111, 195



111, 195, 163

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, 89, 152



163, 111, 195



39, 137, 41

Square

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



163, 111, 195



202, 117, 71



66, 147, 129



0, 85, 194

Rectangle

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



163, 111, 195



212, 91, 126



66, 147, 129



0, 81, 154

Sweetspot

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



163, 111, 195



240, 220, 252



111, 134, 195



120, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



163, 111, 195



202, 121, 252



195, 111, 185



93, 87, 97



99, 0, 161



21, 0, 33

Inverse Universe

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



195, 111, 143



252, 121, 171



111, 186, 195



97, 87, 91



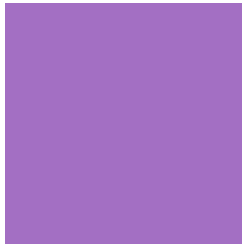
161, 0, 61



33, 0, 13

Previews

White Background



This preview shows how the RYB color 163, 111, 195 looks on a white background.

Color Contrast Check

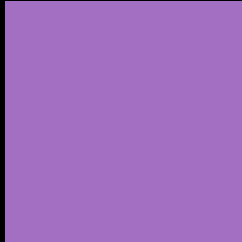
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 111, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

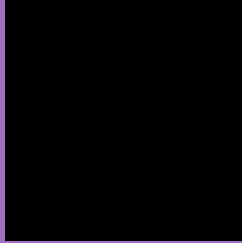
Any Text WCAG AA ✓ Pass

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 163, 111, 195 Background



This preview shows how black text looks on a background with the RYB color 163, 111, 195.

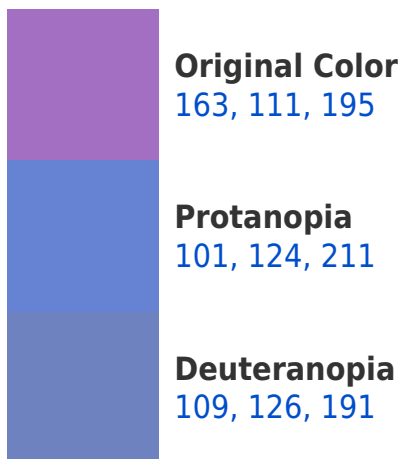



This preview shows how white text looks on a background with the RYB color 163, 111, 195.

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
153, 124, 134

Trichromacy



Original Color
163, 111, 195



Protanomaly
124, 123, 205



Deuteranomaly
129, 124, 192



Tritanomaly
157, 119, 156

Monochromacy



Original Color
163, 111, 195



Achromatopsia
136, 136, 136



Achromatomaly
146, 127, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 111, 195 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(163, 111, 195)` looks like.

```
.text, #text, p{  
    color:rgb(163, 111, 195)  
}
```

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(163, 111, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 111, 195) }
```

Border

The CSS property to change the border of an element to RYB 163, 111, 195 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(163, 111, 195) }
```

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

```
.border{ border-color:rgb(163, 111, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 111, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 111, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 111, 195);  
box-shadow:4px 4px 4px 4px rgb(163, 111,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 163, 111, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 111, 195) }
```

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

```
.background{ background-color: rgb(163,  
111, 195) }
```

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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