

Converting Colors

`RYB(112, 65, 163)`

Have a look what the booklet for
RYB(112, 65, 163) contains.

RYB(112, 65, 163)	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(112, 65, 163)

Conversions

Conversions Part 1

Format	Color
Hex	7041A3
RGB	112, 65, 163
RGB Percent	44%, 25%, 64%
CMY	0.5608, 0.7451, 0.3608
CMYK	0.31, 0.60, 0.00, 0.36
HSL	269°, 43%, 45%
HSV	269°, 60%, 64%
XYZ	15.1832, 9.8697, 35.7551
YIQ	90.2250, -3.4460, 40.4420

Conversions

Conversions Part 2

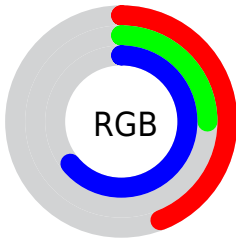
Format	Color
R_{YB}	112, 65, 163
Decimal	7356835
CIE _{Lab}	37.61, 40.23, -45.56
CIE _{LCh}	38, 60.776, 311.448
Yxy	9.8697, 0.2497, 0.1623
Android (android.graphics.Color)	4285546915 (0xFF7041A3)
YUV	90.2250, 35.8781, 19.0967
Hunter-Lab	31.4160, 31.2902, -45.4877

Details

The RYB color **112, 65, 163** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 163, 112**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **167, 115, 219**, and **59, 16, 110** is the 20% darker color. If you saturate the color by 10%, you get **104, 49, 163**, and if you desaturate by 10%, it is **120, 81, 163**.

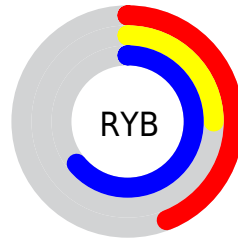
Distribution



Red (44%)

Green (25%)

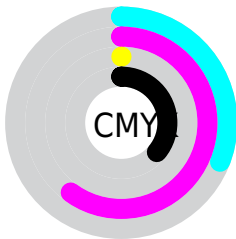
Blue (64%)



Red (44%)

Yellow (25%)

Blue (64%)

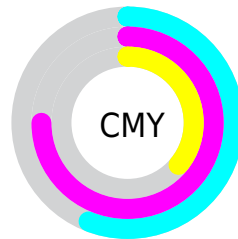


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (36%)



Cyan (56%)

Magenta (75%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 65, 163 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 112, 65, 163 by changing the saturation by 10% instead.



112, 65, 163



112, 65, 163

255, 255, 255



85, 41, 136



167, 115, 219



59, 16, 110



195, 141, 247



31, 0, 85



224, 168, 255



4, 0, 62



253, 196, 255



0, 3, 39



255, 224, 255



0, 1, 16



255, 253, 255



0, 0, 0



112, 65, 163



112, 65, 163



104, 49, 163



120, 81, 163

■ 95, 32, 163

■ 129, 98, 163

■ 87, 16, 163

■ 137, 114, 163

■ 78, 0, 163

■ 146, 130, 163

■ 154, 147, 163

■ 163, 163, 163

■ 163, 179, 171

■ 163, 195, 178

■ 163, 212, 187

Harmonies

Analogous

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



0, 60, 186



112, 65, 163



159, 34, 121

Triad

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



112, 65, 163



103, 133, 0



0, 55, 109

Complementary

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



112, 65, 163



65, 163, 112

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, 72, 108



112, 65, 163



0, 92, 1

Square

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



112, 65, 163



162, 53, 24



0, 103, 74



0, 63, 153

Rectangle

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



112, 65, 163



171, 19, 88



0, 103, 74



0, 60, 109

Sweetspot

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



112, 65, 163



192, 174, 212



65, 99, 163



95, 84, 107



235, 235, 235



107, 107, 107

Same Dimension

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



112, 65, 163



132, 59, 212



160, 65, 163



77, 73, 82



70, 0, 145



9, 0, 18

Inverse Universe

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



163, 65, 116



212, 59, 139



65, 163, 160



82, 73, 78



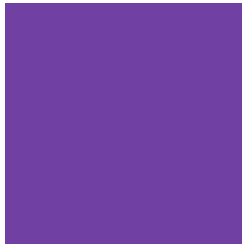
145, 0, 76



18, 0, 9

Previews

White Background



This preview shows how the RYB color 112, 65, 163 looks on a white background.

Color Contrast Check

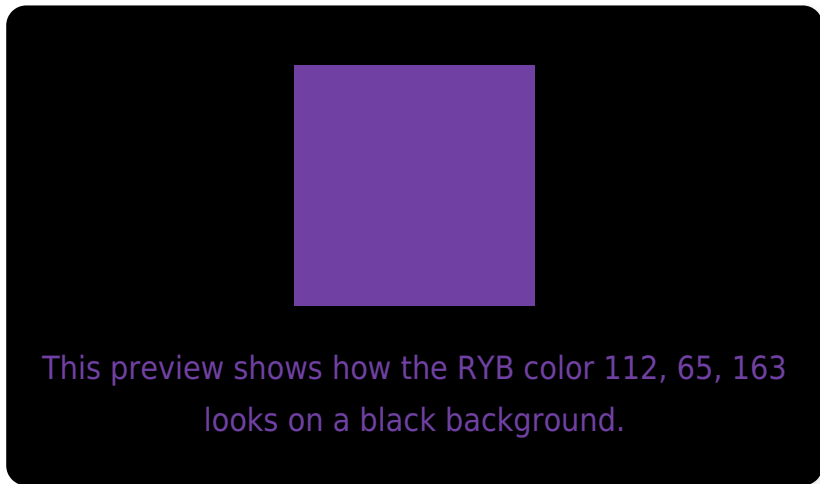
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

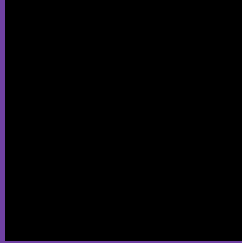
Any Text WCAG AA × Fail

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 112, 65, 163 Background



This preview shows how black text looks on a background with the RYB color 112, 65, 163.

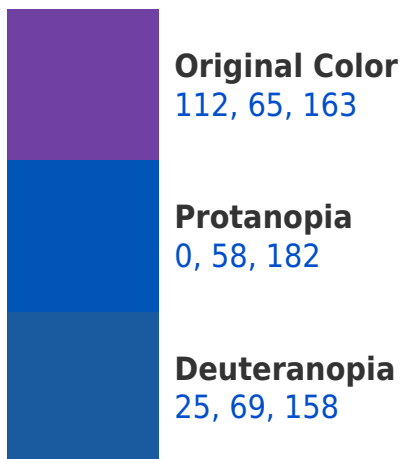



This preview shows how white text looks on a background with the RYB color 112, 65, 163.

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

98, 85, 92

Trichromacy



Original Color

112, 65, 163



Protanomaly

41, 70, 175



Deuteranomaly

57, 76, 160



Tritanomaly

103, 78, 118

Monochromacy



Original Color

112, 65, 163



Achromatopsia

90, 90, 90



Achromatomaly

98, 81, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 65, 163 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(112, 65, 163)` looks like.

```
.text, #text, p{  
    color:rgb(112, 65, 163)  
}
```

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(112, 65, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 65, 163) }
```

Border

The CSS property to change the border of an element to RYB 112, 65, 163 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(112, 65, 163) }
```

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

```
.border{ border-color:rgb(112, 65, 163) }
```

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

Here you see how a box with a 4 pixel rgb(112, 65, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 65, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 65, 163);  
box-shadow:4px 4px 4px 4px rgb(112, 65,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 112, 65, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 65, 163) }
```

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

```
.background{ background-color: rgb(112, 65,  
163) }
```

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