

# Converting Colors

`RYB(105, 65, 225)`

Have a look what the booklet for  
RYB(105, 65, 225) contains.

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# Color

**R<sub>Y</sub>B(105, 65, 225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6941E1
RGB	105, 65, 225
RGB Percent	41%, 25%, 88%
CMY	0.5882, 0.7451, 0.1176
CMYK	0.53, 0.71, 0.00, 0.12
HSL	255°, 73%, 57%
HSV	255°, 71%, 88%
XYZ	21.3066, 12.2201, 72.4699
YIQ	95.2000, -27.5200, 58.2400

# Conversions

## Conversions Part 2

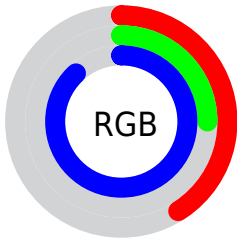
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	105, 65, 225
Decimal	6898145
CIE <sub>Lab</sub>	41.56, 55.62, -75.37
CIE <sub>LCh</sub>	42, 93.670, 306.423
Yxy	12.2201, 0.2010, 0.1153
Android (android.graphics.Color)	4285088225 (0xFF6941E1)
YUV	95.2000, 63.9914, 8.5946
Hunter-Lab	34.9573, 47.6214, -98.4441

# Details

The RYB color **105, 65, 225** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **65, 225, 105**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **166, 116, 255**, and **32, 11, 168** is the 20% darker color. If you saturate the color by 10%, you get **88, 43, 225**, and if you desaturate by 10%, it is **122, 87, 225**.

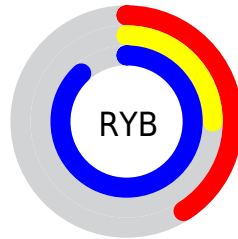
# Distribution



Red (41%)

Green (25%)

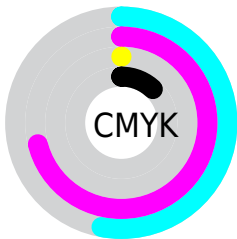
Blue (88%)



Red (41%)

Yellow (25%)

Blue (88%)

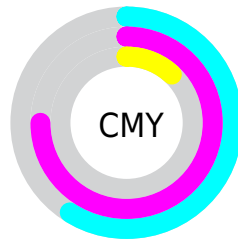


Cyan (53%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (59%)

Magenta (75%)


















Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 105, 65, 225 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 105, 65, 225 by changing the saturation by 10% instead.



 105, 65, 225	 105, 65, 225
 255, 255, 255	 73, 40, 196
 166, 116, 255	 32, 11, 168
 196, 143, 255	 0, 0, 141
 227, 170, 255	 0, 0, 115
 255, 198, 255	 0, 0, 89
 255, 226, 255	 0, 6, 64
	 0, 3, 41
	 0, 1, 19
	 0, 0, 0

■ 105, 65, 225

■ 105, 65, 225

■ 88, 43, 225

■ 122, 87, 225

■ 71, 20, 225

■ 139, 110, 225

■ 56, 0, 225

■ 156, 132, 225

■ 172, 155, 225

■ 189, 178, 225

■ 206, 200, 225

■ 223, 222, 225

■ 225, 245, 230

■ 225, 255, 225

# Harmonies

## Analogous

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



0, 74, 255



105, 65, 225



197, 0, 161

# Triad

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



105, 65, 225



167, 115, 0



0, 66, 126

# Complementary

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



105, 65, 225



65, 225, 105

# 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, 101, 123



105, 65, 225



5, 106, 0

# Square

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



105, 65, 225



209, 0, 4



0, 117, 117



0, 76, 189

# Rectangle

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



105, 65, 225



220, 0, 111



0, 117, 117



0, 74, 125



# Sweetspot

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



105, 65, 225



215, 201, 255



65, 134, 225



104, 96, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



105, 65, 225



92, 38, 255



185, 65, 225



104, 101, 112



44, 0, 176



12, 0, 48



# Inverse Universe

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



225, 65, 185



255, 38, 201



65, 225, 185



112, 101, 109



176, 0, 132



48, 0, 36



# Previews

## White Background



This preview shows how the RYB color 105, 65, 225 looks on a white background.

## Color Contrast Check

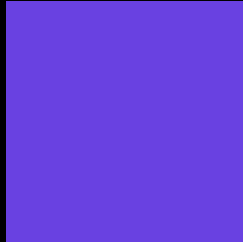
Large Text (above 18pt) WCAG AA ✓ Pass

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 105, 65, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

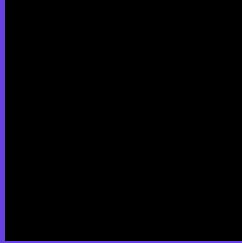
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 105, 65, 225 Background



This preview shows how black text looks on a background with the RYB color 105, 65, 225.

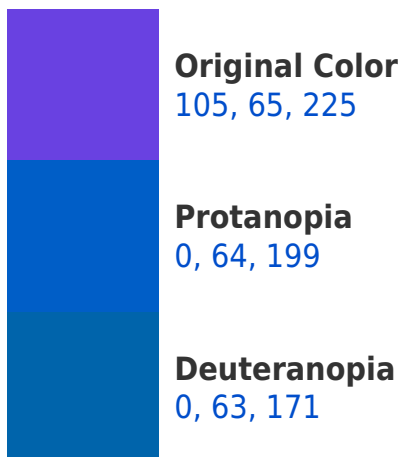


This preview shows how white text looks on a background with the RYB color 105, 65, 225.

# 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**  
68, 87, 112

# Trichromacy



**Original Color**

105, 65, 225



**Protanomaly**

38, 74, 208



**Deuteranomaly**

38, 75, 191



**Tritanomaly**

81, 88, 153

# Monochromacy



**Original Color**

105, 65, 225



**Achromatopsia**

95, 95, 95



**Achromatomaly**

99, 84, 142

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 105, 65, 225 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(105, 65, 225)` looks like.

```
.text, #text, p{  
    color:rgb(105, 65, 225)  
}
```

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(105, 65, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 65, 225) }
```

## Border

The CSS property to change the border of an element to RYB 105, 65, 225 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(105, 65, 225) }
```

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

```
.border{ border-color:rgb(105, 65, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 65, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 65, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 65, 225);  
box-shadow:4px 4px 4px 4px rgb(105, 65,  
225) }
```

# Background

The CSS property to change the background color of an element to RGB 105, 65, 225 is called "background".

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

```
.background, #background, body{  
background: rgb(105, 65, 225) }
```

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

```
.background{ background-color: rgb(105, 65,  
225) }
```

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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