

Converting Colors

`RYB(110, 35, 226)`

Have a look what the booklet for
RYB(110, 35, 226) contains.

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Color

R_YB(110, 35, 226)

Conversions

Conversions Part 1

Format	Color
Hex	6E23E2
RGB	110, 35, 226
RGB Percent	43%, 14%, 89%
CMY	0.5686, 0.8627, 0.1137
CMYK	0.51, 0.85, 0.00, 0.11
HSL	264°, 77%, 51%
HSV	264°, 85%, 89%
XYZ	20.7589, 10.0080, 72.7891
YIQ	79.1990, -16.6110, 75.3010

Conversions

Conversions Part 2

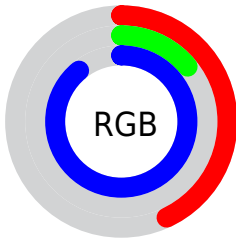
Format	Color
R_{YB}	110, 35, 226
Decimal	7218146
CIE _{Lab}	37.86, 68.97, -82.02
CIE _{LCh}	38, 107.163, 310.060
Yxy	10.0080, 0.2005, 0.0966
Android (android.graphics.Color)	4285408226 (0xFF6E23E2)
YUV	79.1990, 72.3729, 27.0125
Hunter-Lab	31.6355, 61.7678, -114.2737

Details

The RYB color **110, 35, 226** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **35, 226, 110**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **172, 92, 255**, and **37, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **96, 12, 226**, and if you desaturate by 10%, it is **124, 58, 226**.

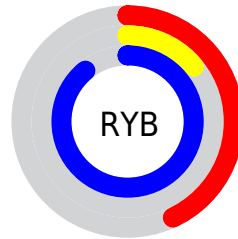
Distribution



Red (43%)

Green (14%)

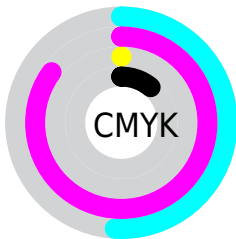
Blue (89%)



Red (43%)

Yellow (14%)

Blue (89%)

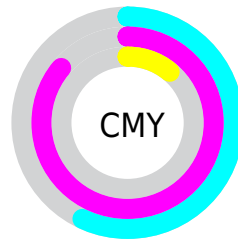


Cyan (51%)

Magenta (85%)

Yellow (0%)

Black (11%)



Cyan (57%)


















Magenta (86%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 110, 35, 226 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 110, 35, 226 by changing the saturation by 10% instead.

 110, 35, 226	 110, 35, 226
255, 255, 255	 77, 0, 197
 172, 92, 255	 37, 0, 169
 203, 120, 255	 0, 0, 142
 233, 147, 255	 0, 0, 115
 255, 175, 255	 0, 0, 89
 255, 204, 255	 0, 6, 65
 255, 233, 255	 0, 3, 42
	 0, 1, 20
	 0, 0, 0

■ 110, 35, 226

■ 110, 35, 226

■ 96, 12, 226

■ 124, 58, 226

■ 89, 0, 226

■ 137, 80, 226

■ 151, 103, 226

■ 165, 125, 226

■ 179, 148, 226

■ 192, 171, 226

■ 206, 193, 226

■ 220, 216, 226

■ 226, 238, 230

Harmonies

Analogous

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



0, 69, 255



110, 35, 226



205, 0, 150

Triad

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



110, 35, 226



154, 98, 0



0, 59, 118

Complementary

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



110, 35, 226



35, 226, 110

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, 99, 115



110, 35, 226



0, 96, 13

Square

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



110, 35, 226



205, 0, 0



0, 110, 110



0, 75, 202

Rectangle

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



110, 35, 226



225, 0, 94



0, 110, 110



0, 67, 117

Sweetspot

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



110, 35, 226



216, 191, 255



35, 108, 226



104, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



110, 35, 226



100, 0, 255



204, 35, 226



105, 101, 112



69, 0, 176



19, 0, 48

Inverse Universe

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



226, 35, 151



255, 0, 155



35, 226, 204



112, 101, 108



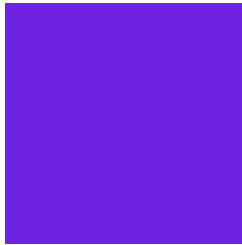
176, 0, 107



48, 0, 29

Previews

White Background



This preview shows how the RYB color 110, 35, 226 looks on a white background.

Color Contrast Check

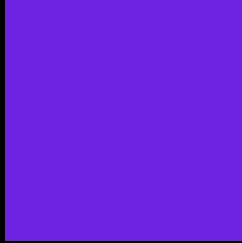
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 110, 35, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

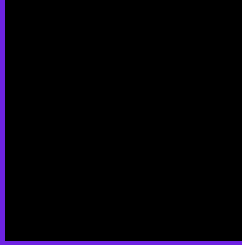
Any Text WCAG AA × Fail

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 110, 35, 226 Background



This preview shows how black text looks on a background with the RYB color 110, 35, 226.



This preview shows how white text looks on a background with the RYB color 110, 35, 226.

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



Original Color

110, 35, 226

Protanopia

0, 58, 181

Deuteranopia

0, 58, 155



Tritanopia
72, 84, 100

Trichromacy



Original Color

110, 35, 226



Protanomaly

40, 63, 197



Deuteranomaly

40, 65, 181



Tritanomaly

86, 71, 146

Monochromacy



Original Color

110, 35, 226



Achromatopsia

79, 79, 79



Achromatomaly

90, 63, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 110, 35, 226 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(110, 35, 226)` looks like.

```
.text, #text, p{  
    color:rgb(110, 35, 226)  
}
```

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(110, 35, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 35, 226) }
```

Border

The CSS property to change the border of an element to RYB 110, 35, 226 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(110, 35, 226) }
```

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

```
.border{ border-color:rgb(110, 35, 226) }
```

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

Here you see how a box with a 4 pixel rgb(110, 35, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 35, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 35, 226);  
box-shadow:4px 4px 4px 4px rgb(110, 35,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 110, 35, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 35, 226) }
```

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

```
.background{ background-color: rgb(110, 35,  
226) }
```

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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