

Converting Colors

`RYB(112, 92, 171)`

Have a look what the booklet for
RYB(112, 92, 171) contains.

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Color

R_YB(112, 92, 171)

Conversions

Conversions Part 1

Format	Color
Hex	705CAB
RGB	112, 92, 171
RGB Percent	44%, 36%, 67%
CMY	0.5608, 0.6392, 0.3294
CMYK	0.35, 0.46, 0.00, 0.33
HSL	255°, 32%, 52%
HSV	255°, 46%, 67%
XYZ	17.8599, 14.0393, 40.2966
YIQ	106.9860, -13.4390, 28.8090

Conversions

Conversions Part 2

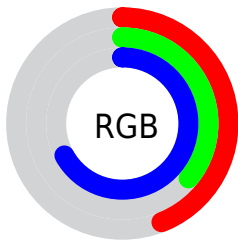
Format	Color
R_{YB}	112, 92, 171
Decimal	7363755
CIE _{Lab}	44.29, 26.52, -39.65
CIE _{LCh}	44, 47.697, 303.777
Yxy	14.0393, 0.2474, 0.1945
Android (android.graphics.Color)	4285553835 (0xFF705CAB)
YUV	106.9860, 31.5589, 4.3973
Hunter-Lab	37.4691, 19.5125, -37.5359

Details

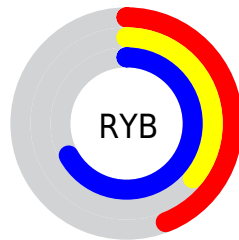
The RYB color **112, 92, 171** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **92, 171, 112**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **166, 143, 227**, and **60, 46, 118** is the 20% darker color. If you saturate the color by 10%, you get **99, 75, 171**, and if you desaturate by 10%, it is **125, 109, 171**.

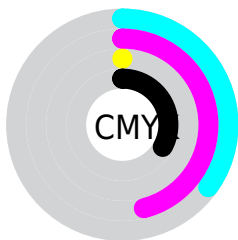
Distribution



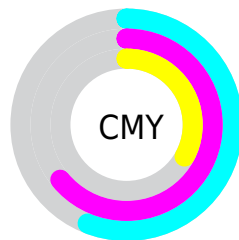
- Red (44%)
- Green (36%)
- Blue (67%)



- Red (44%)
- Yellow (36%)
- Blue (67%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (33%)



- Cyan (56%)
- Magenta (64%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 92, 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 112, 92, 171 by changing the saturation by 10% instead.

■ 112, 92, 171 ■ 112, 92, 171

255, 255, 255 ■ 86, 68, 144

■ 166, 143, 227 ■ 60, 46, 118

■ 194, 169, 255 ■ 33, 24, 93

■ 223, 196, 255 ■ 3, 1, 69

■ 252, 225, 255 ■ 0, 2, 46

■ 255, 253, 255 ■ 0, 1, 24

■ 0, 0, 0

■ 112, 92, 171 ■ 112, 92, 171

■ 99, 75, 171 ■ 125, 109, 171

86, 58, 171

138, 126, 171

74, 41, 171

150, 143, 171

61, 24, 171

163, 160, 171

48, 6, 171

171, 177, 172

43, 0, 171

171, 195, 177

171, 212, 182

171, 229, 186

171, 246, 190

Harmonies

Analogous

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



0, 68, 184



112, 92, 171



156, 75, 140

Triad

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



112, 92, 171



152, 146, 31



0, 66, 124

Complementary

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



112, 92, 171



92, 171, 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, 77, 121



112, 92, 171



33, 120, 14

Square

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



112, 92, 171



172, 75, 63



33, 115, 68



0, 67, 148

Rectangle

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



112, 92, 171



172, 67, 115



33, 115, 68



0, 69, 123

Sweetspot

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



112, 92, 171



199, 191, 222



92, 126, 171



98, 93, 112



240, 240, 240



112, 112, 112

Same Dimension

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



112, 92, 171



131, 100, 222



151, 92, 171



80, 78, 87



38, 0, 150



6, 0, 23

Inverse Universe

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



171, 92, 151



222, 100, 191



92, 171, 151



87, 78, 85



150, 0, 112



23, 0, 17

Previews

White Background



This preview shows how the RYB color 112, 92, 171 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 112, 92, 171 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 112, 92, 171 Background



This preview shows how black text looks on a background with the RYB color 112, 92, 171.

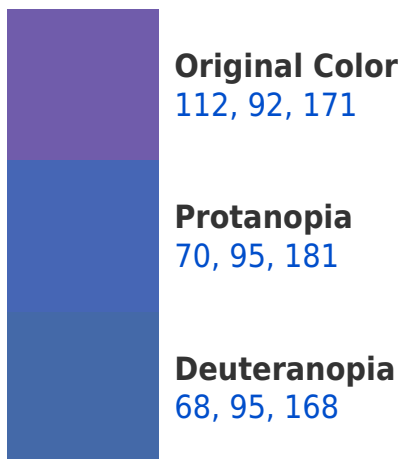



This preview shows how white text looks on a background with the RYB color 112, 92, 171.

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
100, 104, 114

Trichromacy



Original Color
112, 92, 171

Protanomaly
85, 96, 177

Deuteranomaly
84, 97, 169

Tritanomaly
104, 100, 135

Monochromacy



Original Color
112, 92, 171

Achromatopsia
107, 107, 107

Achromatomaly
109, 102, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 92, 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(112, 92, 171)` looks like.

```
.text, #text, p{  
    color:rgb(112, 92, 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(112, 92, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 92, 171) }
```

Border

The CSS property to change the border of an element to RYB 112, 92, 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(112, 92, 171) }
```

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

```
.border{ border-color:rgb(112, 92, 171) }
```

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

Here you see how a box with a 4 pixel rgb(112, 92, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 92, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 92, 171);  
box-shadow:4px 4px 4px 4px rgb(112, 92,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 112, 92, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 92, 171) }
```

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

```
.background{ background-color: rgb(112, 92,  
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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