

Converting Colors

`RYB(113, 60, 122)`

Have a look what the booklet for
RYB(113, 60, 122) contains.

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Color

$\text{RYB}(113, 60, 122)$

Conversions

Conversions Part 1

Format	Color
Hex	713C7A
RGB	113, 60, 122
RGB Percent	44%, 24%, 48%
CMY	0.5569, 0.7647, 0.5216
CMYK	0.07, 0.51, 0.00, 0.52
HSL	291°, 34%, 36%
HSV	291°, 51%, 48%
XYZ	11.9388, 8.1476, 19.3557
YIQ	82.9150, 11.6860, 30.5180

Conversions

Conversions Part 2

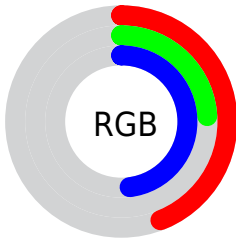
Format	Color
R_{YB}	113, 60, 122
Decimal	7421050
CIE _{Lab}	34.29, 33.65, -25.75
CIE _{LCh}	34, 42.369, 322.570
Yxy	8.1476, 0.3027, 0.2066
Android (android.graphics.Color)	4285611130 (0xFF713C7A)
YUV	82.9150, 19.2689, 26.3845
Hunter-Lab	28.5439, 24.7073, -20.2240

Details

The RYB color **113, 60, 122** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **60, 122, 113**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **166, 109, 175**, and **63, 11, 73** is the 20% darker color. If you saturate the color by 10%, you get **111, 48, 122**, and if you desaturate by 10%, it is **115, 72, 122**.

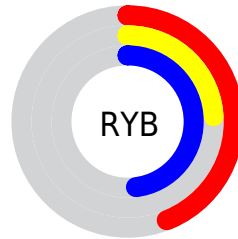
Distribution



Red (44%)

Green (24%)

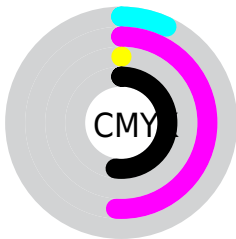
Blue (48%)



Red (44%)

Yellow (24%)

Blue (48%)

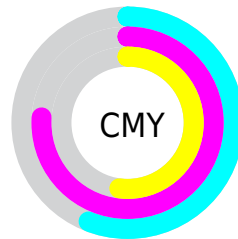


Cyan (7%)

Magenta (51%)

Yellow (0%)

Black (52%)



Cyan (56%)


Magenta (76%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 60, 122 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 113, 60, 122 by changing the saturation by 10% instead.


 113, 60, 122

 113, 60, 122

255, 255, 255

 88, 36, 97

 166, 109, 175


 63, 11, 73

 194, 135, 202

 40, 0, 50

 222, 162, 230

 5, 0, 29

 251, 189, 255


 0, 0, 0

 255, 217, 255

 255, 246, 255

 113, 60, 122

 113, 60, 122

 111, 48, 122

 115, 72, 122

■ 109, 36, 122

■ 117, 84, 122

■ 108, 23, 122

■ 118, 97, 122

■ 106, 11, 122

■ 120, 109, 122

■ 104, 0, 122

■ 122, 121, 122

■ 122, 133, 131

■ 122, 145, 142

■ 122, 158, 153

■ 122, 170, 163

Harmonies

Analogous

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



64, 74, 143



113, 60, 122



137, 48, 90

Triad

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



113, 60, 122



42, 104, 3



0, 50, 106

Complementary

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



113, 60, 122



60, 122, 113

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, 55, 96



113, 60, 122



8, 86, 21

Square

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



113, 60, 122



128, 81, 27



27, 84, 93



0, 55, 134

Rectangle

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



113, 60, 122



141, 47, 68



27, 84, 93



0, 49, 96

Sweetspot

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



113, 60, 122



155, 134, 158



60, 68, 122



77, 65, 79



207, 207, 207



79, 79, 79

Same Dimension

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



113, 60, 122



144, 62, 158



122, 60, 100



60, 55, 61



107, 0, 125



216, 0, 252

Inverse Universe

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



122, 60, 69



158, 62, 76



60, 106, 122



61, 55, 56



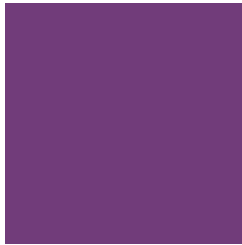
125, 0, 18



252, 0, 37

Previews

White Background



This preview shows how the RYB color 113, 60, 122 looks on a white background.

Color Contrast Check

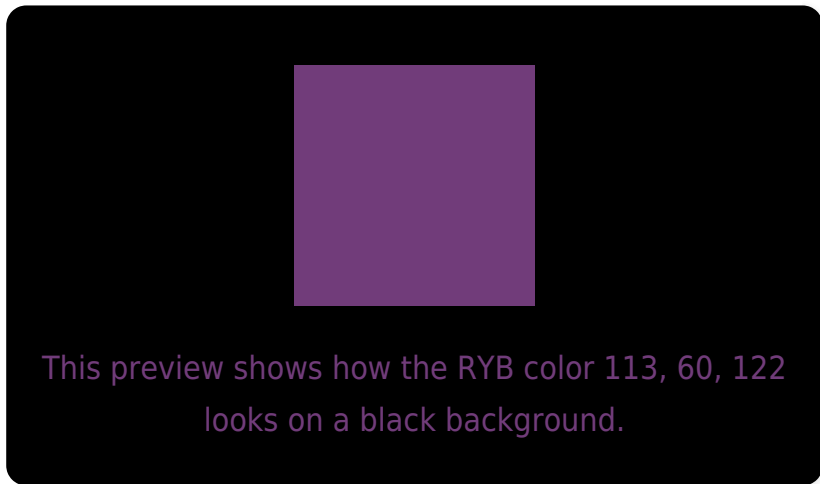
Large Text (above 18pt) WCAG AA ✓ Pass

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

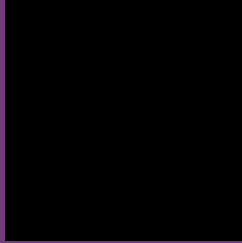
Any Text WCAG AA × Fail

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](#).

R Y B 113, 60, 122 Background



This preview shows how black text looks on a background with the R Y B color 113, 60, 122.



This preview shows how white text looks on a background with the R Y B color 113, 60, 122.

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
113, 60, 122

Protanopia
55, 74, 139

Deuteranopia
66, 78, 118



Tritanopia
107, 71, 77

Trichromacy



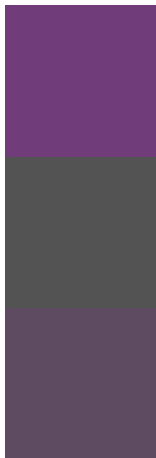
Original Color
113, 60, 122

Protanomaly
76, 72, 133

Deuteranomaly
83, 73, 119

Tritanomaly
109, 67, 93

Monochromacy



Original Color
113, 60, 122

Achromatopsia
83, 83, 83

Achromatomaly
94, 75, 97

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 60, 122 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(113, 60, 122)` looks like.

```
.text, #text, p{  
    color:rgb(113, 60, 122)  
}
```

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(113, 60, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 60, 122) }
```

Border

The CSS property to change the border of an element to RYB 113, 60, 122 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(113, 60, 122) }
```

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

```
.border{ border-color:rgb(113, 60, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 60, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 60, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 60, 122);  
box-shadow:4px 4px 4px 4px rgb(113, 60,  
122) }
```

Background

The CSS property to change the background color of an element to RGB 113, 60, 122 is called "background".

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

```
.background, #background, body{  
background: rgb(113, 60, 122) }
```

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

```
.background{ background-color: rgb(113, 60,  
122) }
```

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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