

Converting Colors

`RYB(166, 114, 163)`

Have a look what the booklet for
RYB(166, 114, 163) contains.

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Color

R_YB(166, 114, 163)

Conversions

Conversions Part 1

Format	Color
Hex	A672A3
RGB	166, 114, 163
RGB Percent	65%, 45%, 64%
CMY	0.3490, 0.5529, 0.3608
CMYK	0.00, 0.31, 0.02, 0.35
HSL	303°, 23%, 55%
HSV	303°, 31%, 65%
XYZ	28.3541, 22.7860, 37.5540
YIQ	135.1340, 15.2630, 26.2630

Conversions

Conversions Part 2

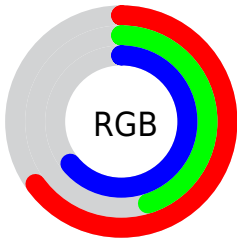
Format	Color
R_{YB}	166, 114, 163
Decimal	10908323
CIE _{Lab}	54.85, 28.70, -18.10
CIE _{LCh}	55, 33.928, 327.757
Yxy	22.7860, 0.3197, 0.2569
Android (android.graphics.Color)	4289098403 (0xFFA672A3)
YUV	135.1340, 13.7379, 27.0695
Hunter-Lab	47.7346, 22.4922, -13.2307

Details

The RYB color **166, 114, 163** is a light color, and the websafe version is hex **996699**. A complement of this color would be **114, 163, 166**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **222, 167, 218**, and **113, 65, 111** is the 20% darker color. If you saturate the color by 10%, you get **166, 97, 162**, and if you desaturate by 10%, it is **166, 131, 164**.

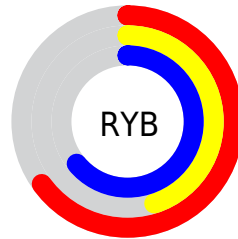
Distribution



Red (65%)

Green (45%)

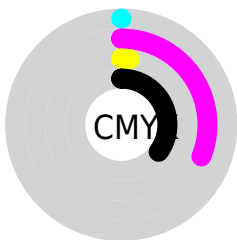
Blue (64%)



Red (65%)

Yellow (45%)

Blue (64%)

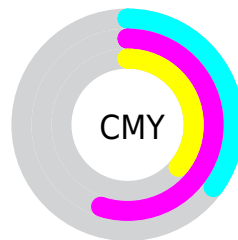


Cyan (0%)

Magenta (31%)

Yellow (2%)

Black (35%)



Cyan (35%)

Magenta (55%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the RYB color 166, 114, 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 166, 114, 163 by changing the saturation by 10% instead.

 166, 114, 163


255, 255, 255

 222, 167, 218

 251, 194, 247

 255, 222, 255

 255, 251, 255


 166, 114, 163

 139, 89, 137

 113, 65, 111

 88, 41, 87

 64, 18, 63

 41, 0, 41

 6, 0, 20

 0, 0, 0

 166, 114, 163


 166, 97, 162


 166, 114, 163

 166, 131, 164


 166, 81, 161


 166, 147, 165

 166, 64, 160

 166, 164, 166

 166, 48, 159

 166, 179, 180

 166, 31, 158

 166, 195, 197

 166, 14, 157

 166, 211, 214

 166, 0, 156

 166, 226, 230

 166, 242, 247

 166, 249, 255

Harmonies

Analogous

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



131, 124, 183



166, 114, 163



185, 108, 135

Triad

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



166, 114, 163



104, 152, 72



0, 76, 158

Complementary

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



166, 114, 163



114, 163, 166

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.



42, 100, 147



166, 114, 163



78, 138, 94

Square

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



166, 114, 163



175, 141, 82



87, 134, 144



3, 81, 180

Rectangle

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



166, 114, 163



188, 109, 115



87, 134, 144



0, 74, 148

Sweetspot

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



166, 114, 163



217, 197, 216



117, 114, 166



110, 98, 109



237, 237, 237



110, 110, 110

Same Dimension

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



166, 114, 163



217, 134, 212



166, 114, 137



84, 76, 84



148, 0, 139



20, 0, 19

Inverse Universe

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



166, 114, 163



217, 134, 212



114, 147, 166



84, 76, 84



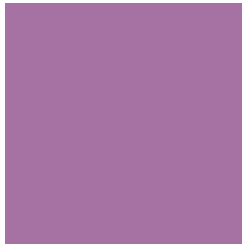
148, 0, 139



20, 0, 19

Previews

White Background



This preview shows how the RYB color 166, 114, 163 looks on a white background.

Color Contrast Check

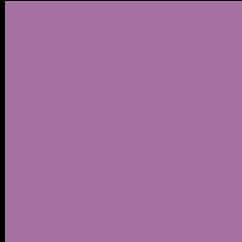
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 166, 114, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

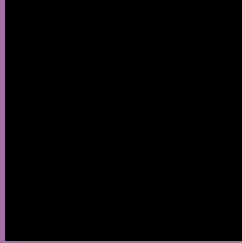
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 166, 114, 163 Background



This preview shows how black text looks on a background with the RYB color 166, 114, 163.

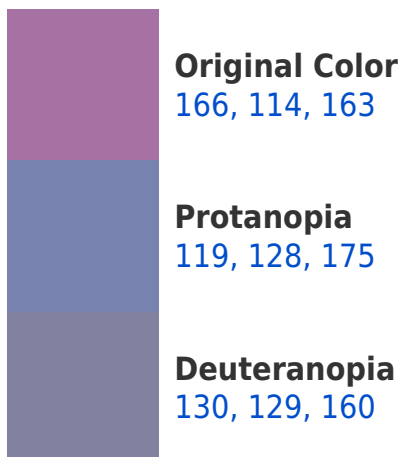


This preview shows how white text looks on a background with the RYB color 166, 114, 163.

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
162, 120, 130

Trichromacy



Original Color
166, 114, 163

Protanomaly
136, 124, 171

Deuteranomaly
143, 124, 161

Tritanomaly
163, 118, 142

Monochromacy



Original Color
166, 114, 163

Achromatopsia
135, 135, 135

Achromatomaly
146, 127, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 114, 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(166, 114, 163)` looks like.

```
.text, #text, p{  
    color:rgb(166, 114, 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(166, 114, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 114, 163) }
```

Border

The CSS property to change the border of an element to RYB 166, 114, 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(166, 114, 163) }
```

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

```
.border{ border-color:rgb(166, 114, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 114, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 114, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 114, 163);  
box-shadow:4px 4px 4px 4px rgb(166, 114,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 166, 114, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 114, 163) }
```

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

```
.background{ background-color: rgb(166,  
114, 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](#).

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