

Converting Colors

RYB(96, 78, 104)

Have a look what the booklet for
RYB(96, 78, 104) contains.

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Color

R_{YB}(96, 78, 104)

Conversions

Conversions Part 1

Format	Color
Hex	604E68
RGB	96, 78, 104
RGB Percent	38%, 31%, 41%
CMY	0.6235, 0.6941, 0.5922
CMYK	0.08, 0.25, 0.00, 0.59
HSL	282°, 14%, 36%
HSV	282°, 25%, 41%
XYZ	10.0470, 8.9351, 14.2918
YIQ	86.3460, 2.3820, 11.9020

Conversions

Conversions Part 2

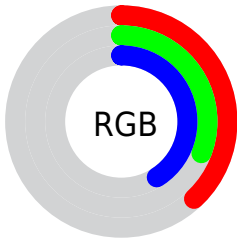
Format	Color
R_{YB}	96, 78, 104
Decimal	6311528
CIE _{Lab}	35.86, 12.88, -12.23
CIE _{LCh}	36, 17.762, 316.487
Yxy	8.9351, 0.3019, 0.2685
Android (android.graphics.Color)	4284501608 (0xFF604E68)
YUV	86.3460, 8.7034, 8.4666
Hunter-Lab	29.8916, 7.6860, -7.4238

Details

The RYB color **96, 78, 104** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **78, 104, 96**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **147, 127, 155**, and **49, 34, 57** is the 20% darker color. If you saturate the color by 10%, you get **93, 68, 104**, and if you desaturate by 10%, it is **99, 88, 104**.

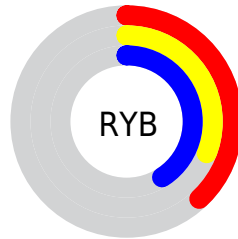
Distribution



Red (38%)

Green (31%)

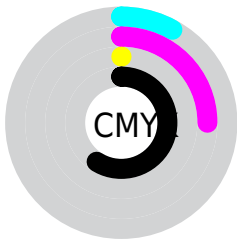
Blue (41%)



Red (38%)

Yellow (31%)

Blue (41%)

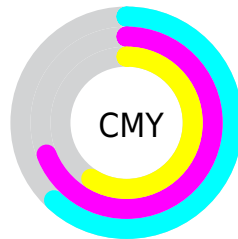


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (59%)



Cyan (62%)

Magenta (69%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 78, 104 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 96, 78, 104 by changing the saturation by 10% instead.



96, 78, 104



96, 78, 104

255, 255, 255



72, 55, 80



147, 127, 155



49, 34, 57



173, 153, 182



28, 12, 35



201, 180, 210



0, 0, 12



229, 208, 238



0, 0, 0



255, 236, 255



96, 78, 104



96, 78, 104



93, 68, 104



99, 88, 104



90, 57, 104



102, 99, 104

■ 86, 47, 104

■ 104, 109, 107

■ 83, 36, 104

■ 104, 120, 115

■ 80, 26, 104

■ 104, 130, 122

■ 77, 16, 104

■ 104, 140, 129

■ 74, 5, 104

■ 104, 151, 137

■ 72, 0, 104

■ 104, 161, 143

■ 104, 172, 151

Harmonies

Analogous

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



77, 82, 111



96, 78, 104



108, 74, 91

Triad

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



96, 78, 104



91, 100, 57



41, 67, 92

Complementary

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



96, 78, 104



78, 104, 96

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.



54, 78, 92



96, 78, 104



57, 86, 57

Square

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



96, 78, 104



110, 82, 64



64, 90, 84



41, 69, 104

Rectangle

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



96, 78, 104



112, 74, 82



64, 90, 84



45, 70, 92

Sweetspot

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



96, 78, 104



132, 124, 135



78, 84, 104



67, 62, 69



196, 196, 196



69, 69, 69

Same Dimension

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



96, 78, 104



123, 95, 135



104, 78, 99



49, 46, 51



79, 0, 115



168, 0, 242

Inverse Universe

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



104, 78, 86



135, 95, 107



78, 100, 104



51, 46, 47



115, 0, 35



242, 0, 75

Previews

White Background



This preview shows how the RYB color 96, 78, 104 looks on a white background.

Color Contrast Check

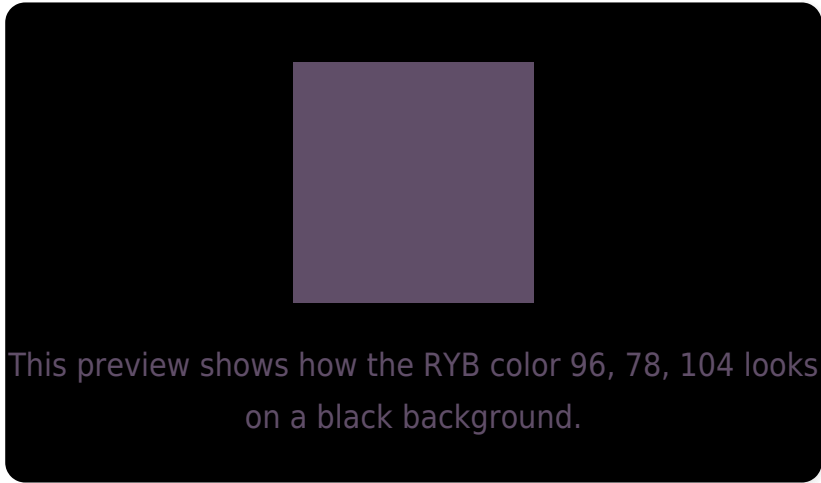
Large Text (above 18pt) WCAG AA ✓ Pass

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

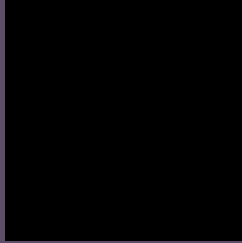
Any Text WCAG AA × Fail

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](#).

RYB 96, 78, 104 Background



This preview shows how black text looks on a background with the RYB color 96, 78, 104.



This preview shows how white text looks on a background with the RYB color 96, 78, 104.

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

96, 78, 104

Protanopia

78, 83, 108

Deuteranopia

83, 83, 103



Tritanopia

93, 81, 87

Trichromacy



Original Color

96, 78, 104

Protanomaly

85, 82, 107

Deuteranomaly

88, 81, 103

Tritanomaly

94, 80, 93

Monochromacy



Original Color

96, 78, 104

Achromatopsia

86, 86, 86

Achromatomaly

90, 83, 93

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 78, 104 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(96, 78, 104) looks like.

```
.text, #text, p{  
    color:rgb(96, 78, 104)  
}
```

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(96, 78, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 78, 104) }
```

Border

The CSS property to change the border of an element to RYB 96, 78, 104 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(96, 78, 104) }
```

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

```
.border{ border-color:rgb(96, 78, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 78, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 78, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 78, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 78,  
104) }
```

Background

The CSS property to change the background color of an element to RYB 96, 78, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 78, 104) }
```

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

```
.background{ background-color: rgb(96, 78,  
104) }
```

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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